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Covalent Targeting of Glutamate Cysteine Ligase to Inhibit Glutathione Synthesis

By

Lydia Hanping Zhang

A dissertation submitted in partial satisfaction of the

requirements for the degree of

Doctor of Philosophy

in

Molecular Toxicology

in the

Graduate Division

of the

University of California, Berkeley

Committee in Charge:

Professor Dan Nomura, Chair

Professor James Olzmann

Professor Roberto Zoncu

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Abstract

Covalent Targeting of Glutamate Cysteine Ligase to Inhibit Glutathione Synthesis

By

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Doctor of Philosophy in Metabolic Toxicology

University of California, Berkeley

Professor Daniel K. Nomura, Chair

Cancer is a complex disease with high incidence and mortality rates. Conventional therapies, such as radiation or chemotherapy, often come with harmful side effects and have limited effectiveness against aggressive forms of cancer. Newer approaches, including immunotherapy and targeted therapy, have shown promise in improving therapeutic outcomes and sparing normal healthy cells from damage. While advanced sequencing technologies and research have uncovered cancer-driving molecular targets, specifically modulating those targets have remained challenging. Many proteins lack robust biochemical characterization or obvious binding pockets that traditional drugs target, rendering them “undruggable”. Chemoproteomics and fragment-based covalent ligand libraries have emerged as innovative tools for addressing these challenges, offering a more efficient and rational path to drug discovery. Furthermore, covalent drugs provide pharmacological advantages such as enhanced potency, selectivity, and prolonged duration of action.

Dysregulated oxidative stress plays a major role in cancer pathogenesis, offering a unique vulnerability for intervention. Targeting glutamate-cysteine ligase (GCL) to inhibit the synthesis of the major antioxidant glutathione (GSH) may be a promising therapeutic strategy for certain cancer types that are particularly sensitive to oxidative stress. In this dissertation, I use fragment library screening and chemoproteomic approaches for identifying new covalent inhibitors against GCL. We have discovered an acrylamide-containing cysteine-reactive ligand, EN25, that covalently targets cysteine C114 on GCLM, the modifier subunit of GCL. We show that EN25 allosterically reduces GCL activity, lowers cellular GSH levels, and impairs cell viability in ARID1A-deficient cancer cells that are particularly sensitive to glutathione depletion. We also performed a small-scale SAR study and identified additional covalent ligands with moderately enhanced binding affinity *in vitro*. Our studies reveal a new ligandable site within GCLM that can be targeted to inhibit the GSH synthesis in vulnerable cancer cell types.

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List of Abbreviations

ABPP	Activity-Based Protein Profiling
ALDH7A1	Aldehyde dehydrogenase 7 family member A1
ARID1A	AT-rich interactive domain-containing protein 1A
ATP	Adenosine triphosphate
BCA	Bicinchoninic acid assay
BSA	Bovine Serum Albumin
BSO	Buthionine sulfoximine
C114	Cysteine at position 114
c9orf142	XRCC4-like small protein
CMV	Cytomegalovirus
CO ₂	Carbon dioxide
CuAAC	Copper(I) Azide-Alkyne Cycloaddition
DMEM	Dulbecco's modified eagle medium
DMSO	Dimethylsulfoxide
DNA	Deoxyribonucleic acid
DTT	Dithiothreitol
EDTA	Ethylenediaminetetraacetic acid
FBLD	Fragment-based ligand discovery
FBS	Fetal bovine serum
FLAG Tag	DYKDDDDK polypeptide protein tag
GAPDH	Glyceraldehyde-3-phosphate dehydrogenase
GC	Glutamylcysteine
GCL	Glutamate cysteine ligase
GCLC	Glutamate cysteine ligase-catalytic subunit
GCLM	Glutamate cysteine ligase-modifier subunit
GPKOW	G-Patch Domain And KOW Motifs
GPx	Glutathione peroxidases
GRx	Glutathione redoxin
GSH	Glutathione (reduced)
GSSG	Glutathione (oxidized)
GST	Glutathione-S-Transferases
HNRNPA3	Heterogeneous Nuclear Ribonucleoprotein A3
HTS	High throughput screening
IA	Iodoacetamide
IA-alkyne	Iodoacetamide-alkyne conjugate (N-5-Hexyn-1-yl-2-iodoacetamide)
IC ₅₀	50 % inhibitory concentration
isoTOP-ABPP	Isotopic tandem orthogonal proteolysis-enabled ABPP
KEAP1	Kelch-like ECH-associated protein 1

KO	Knockout
LC-MS	Liquid chromatography–mass spectrometry
MEM	Minimum Essential Medium
MQ	Methylene quinuclidinone
MS	Mass spectrometer
MS/MS	Tandem mass spectrometry
MS1	First MS for detection of initial ionization in MS/MS
MS2	Second MS for detection of fragment ionization in MS/MS
MTHFD1L	Methylenetetrahydrofolate dehydrogenase
MudPIT	Multidimensional protein identification technology
NDA	Naphthalene-2,3-dicaboxaldehyde
NRF2	Nuclear factor erythroid 2-related factor 2
NUP85	Nucleoporin 85
PAGE	Polyacrylamide gel electrophoresis
PBS	Phosphate-buffered saline
PNN	Pinin
QQQ	Triple-quadrupole mass spectrometer
RNA	Ribonucleic acid
RNS	Reactive nitrogen species
ROS	Reactive oxygen species
RPMI	Roswell Park Memorial Institute Medium
RT	Room temperature
SAR	Structure-activity relationship
SDS	Sodium dodecyl sulphate
SDS-PAGE	Sodium dodecyl sulphate–polyacrylamide gel electrophoresis
siRNA	Short interfering RNA
SIRT6	Sirtuin 6
SLC7A11	Solute carrier family 7 member 11
SRM	Single reaction monitoring
TCA	Trichloroacetic acid
TCEP	tris(2-carboxyethyl)phosphine
TES/SB	N-[Tris(hydroxymethyl)methyl]-2-aminoethanesulfonic acid sodium salt/sodium borate buffer
TEV	Tobacco etch virus
TrxR1	Thioredoxin reductase
U2URP	U2 snRNP-associated SURP
WT	Wild-type

Dedication

I dedicate this dissertation to my parents whose immense sacrifices and hard work have afforded me a comfortable life. I also dedicate this to Lucia Zhang, my younger sister and best friend who has always been there to encourage, support, and listen to me during all the highs and lows. Thank you, fam, for your unconditional love.

To Jiahao Liang: you are the sweetest and most caring partner. Thank you for your unwavering support this past year. I have learned to live more passionately and in the moment with you and it has been liberating. Your mindfulness, ability to make friends wherever you go, zest for life, and confidence inspire me every day. I also thank your family for feeding me the most delicious home-cooked Asian food and welcoming me with such warmth and open arms.

To my PhD advisor Dan Nomura: Your generosity, efficiency, passion, and ambition constantly motivate me to become a better scientist and worker. I am grateful to have been in your lab and I appreciate your support throughout grad school!

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Chapter 1: Covalent Ligand Approaches Towards Drug Discovery in Cancer

1.1 Introduction

Cancer is a disease that arises from uncontrolled and unregulated proliferation of cells and remains as the second leading cause of death globally with very high incidence and mortality rates¹. While early diagnosis and advanced therapies have helped reduce cancer death rates, treating cancer is still a complicated process due to cancer's evolving nature, complexity, and loss of control. Conventional treatments such as radiation therapy, resection, and chemotherapy have been widely used for decades but have harmful side effects and low response rates once the cancer metastasizes^{1,2}. Newer, more advanced therapies such as immunotherapy, stem cell therapy, endocrine therapy, and targeted therapy have emerged in the recent years to improve therapeutic outcomes. Current research efforts focus on unraveling the molecular underpinnings of cancer progression to inform development of these new therapeutic modalities. However, the biggest challenge in developing modern therapeutics is being able to not just discover but effectively and safely modulate the molecular targets involved in driving cancer phenotypes³. In this chapter, we will discuss the chemoproteomic targeted drug discovery platform that aims to couple novel drug and target discovery efforts.

1.2 Chemoproteomic platforms used in drug discovery

1.2.1 The undruggable genome

The development of DNA sequencing and genotyping technologies have facilitated the discovery of disease-associated DNA sequence variants and disease-causing mutations in the genome. However, translating disease-controlling protein targets into pharmacological targets remains difficult, primarily due to the fact that limited gene products encode proteins that can be directly targeted by small molecules⁴. Currently, just around 2% of predicted gene products have known small molecule modulators and it is estimated that only 10-15% of all human genes are considered "druggable"^{3,5,6}. This category of druggable gene products only shares a 25% overlap with disease-modifying targets. Even so, certain established small molecules can either partially act on a protein or target multiple proteins in ways that cannot be predicted by considering genetic insights, structure, or function. The disconnect between our genetic understanding of disease and our ability to study and develop drugs against these targets presents significant challenges in the field of drug development.

At the core of this disconnect lies the "undruggable" proteome, which includes proteins lacking obvious binding pockets, those without functional assays amenable for high-throughput(HTS) screening, and proteins that are not well characterized biochemically. These factors hinder further investigation and assaying efforts⁷. Developing small-molecule modulators against the "undruggable" proteome for targets implicated in

disease has remained a daunting but vital task. Chemical proteomics, or chemoproteomics, has recently emerged as a powerful method to interrogate protein-small molecule interactions, providing a promising approach to bridge the gap between disease-driving targets and their functional modulation.

1.2.2 Activity-based protein profiling

Chemoproteomic technologies couple the discovery of new “ligandable” sites in proteins with developing small-molecule modulators for these sites. An example of this technology is activity-based protein profiling (ABPP) which utilizes reactivity-based chemical probes to directly map reactive, functional, and ligandable hotspots in proteomes. These probes consist of two features: 1) a warhead for binding to functional sites within proteins and 2) a chemical handle (e.g., fluorophores, biotin, or alkynes) for visualization, enrichment, or biorthogonal conjugation for further analysis of protein activities and quantification with mass spectrometry (MS)⁸. (**Fig. 1.1a**). To enable lead discovery, covalently-acting small-molecules can be competed against reactivity-based probes to assess level of binding. This approach can be applied to target-based HTS screens using gel-based or plate-based approaches for rapid identification of covalent ligands and ligandable sites in target proteins that can be assayed with ABPP methods. Lead inhibitors can also be used to make biorthogonal analog probes to further assess inhibitor selectivity⁹. Furthermore, ABPP can enable quantitative assessments of target engagement and proteome-wide selectivity *in vitro*, *in situ*, or *in vivo* using mass-spectrometry-based approaches through a platform termed isotopic tandem orthogonal proteolysis-enabled ABPP (isoTOP-ABPP)¹⁰.

isoTOP-ABPP employs a broadly reactive electrophilic probe to globally map protein functionality in the proteome. These probes include a chemical alkyne handle for 'click chemistry' conjugation to an azide-functionalized peptide linker tag that incorporates a TEV protease recognition site, a biotin group for avidin enrichment, and an isotopically light or heavy valine for precise ratiometric MS-based analysis of labeled peptide. More specifically, the broadly reactive electrophilic probe can react with nucleophilic hotspots within proteomes, such as catalytic sites, solvent-accessible binding pockets, post-translational modification sites, metal binding sites, and other regulatory or functional domains¹¹⁻¹⁴. The isotopically labelled tag that appends to the reactive probe allows for identification and quantitative comparison of the reactivity of probes against specific amino acid sites which can eventually be druggable. This ABPP strategy has found applications in examining targets in various proteomes. For example, isoTOP-ABPP can be used to identify dysregulated protein targets in cancer cells compared to normal cells, discover hyper reactive functional hotspots by comparing varying probe concentrations, profile the off-targets of known chemicals, or develop inhibitors against ligandable hotspots (**Fig. 1.1b-d**)^{8,15-17}.

1.2.3 Chemoproteomic profiling of cysteine reactivity for drug discovery

One parameter that defines functional reactive sites within the proteome is the reactivity of amino acid sidechains. These reactive sites are notably abundant in residues involved in catalysis, protein-protein interactions, or regulatory mechanisms and their reactivity can signal

as a functional “hotspot” accessible for modification¹⁰. One such amino acid, cysteine, stands out as an appealing target for covalent modifications due to a few unique characteristics. Despite being the least frequently modifiable amino acid residue, cysteine is amenable to a wide array of reagents, including iodoacetamides, acrylamides, maleimides, and chloroacetimides. Cysteine residues play vital roles in catalysis and redox sensing, and their oxidative status renders them susceptible to various post-translational modifications, such as S-nitrosylation, S-prenylation, and oxidation to sulfenic and sulfonic acids^{12,13,18–20}. Beyond their catalytic roles, cysteines also serve essential non-catalytic roles such as stabilizing protein tertiary structure through the formation of disulfide cross-links and coordinating enzyme cofactors like metals^{21–23}. The highly nucleophilic nature of the cysteine thiolate makes it a prime target for most covalent inhibition strategies explored to date. With an average abundance of 1.9%, cysteine's unique reactivity and multifaceted functional roles establish it an important residue in the realm of covalent protein targeting.

Among the reactivity-based probes used to broadly modify cysteines, the iodoacetamide-alkyne (IA-alkyne) probe stands out as a popular tool utilized in these ABPP applications^{10,24}. IA-alkyne's covalent binding indicates the hyper reactive and functional hotspots within specific complex biological systems. When IA-alkyne is used in competition with specifically cysteine-reactive small-molecules, it helps pinpoint where these small molecules bind. Using isoTOP-ABPP, researchers can also assess the proteome-wide selectivity of such cysteine-reactive small molecules. This capability allows investigators to conduct medicinal chemistry efforts to optimize ligand selectivity or identify off-target effects of pharmaceuticals, a step towards streamlining the drug discovery process.

1.3 Covalent Fragment-Based Ligand Discovery

The benefits of covalent drugs in pharmacology include increased potency, improved selectivity, and extended duration of effectiveness. Hence, developing cysteine-reactive covalently-bound small molecule fragment libraries synergizes well with the chemoproteomic platforms mentioned above for rapid discovery and validation of small molecule modulators of disease relevant targets. **(Fig. 1.2)**

These fragment-based ligand discovery (FBLD) platforms have been increasingly used by pharmaceutical industries in lieu of traditional libraries as they offer more efficient, rational, and targeted approach to drug discovery²⁵. Traditional library-based approaches used compounds that were randomly assembled or from previous drug-discovery programs²⁶. Other combinatorial chemistry synthesis methods for generating libraries can be time-consuming and costly. In reality, the number of every small drug-like molecules that exist is estimated to be around 10^{63} , a number that is unrealistic to screen every target against²⁷. In contrast, the FBLD approach uses smaller, low-molecular-weight fragment compounds, which are cheaper and more efficient to screen. The reduced size of fragments also minimizes the risk of off-target effects and toxicity, enhancing safety in later stages of drug development. Investigators can also design sets of fragments with desired structural moieties in a more rational and focused approach, especially when a protein's binding pocket or structure is known. These fragments expose fundamental chemical interactions which can be used to

explore unique chemical spaces. Once initial hits are identified, fragments can be systematically expanded into larger compounds, facilitating further drug development²⁸.

The combination of FBLD and chemoproteomic ABPP methods represent two powerful advancements to modern drug discovery. FBLD streamlines the drug discovery process, providing a more efficient and targeted approach, while also generating high-quality leads. When these leads are then applied to chemoproteomic ABPP techniques, binding selectivity, specificity, and off-target profiles can be read out—aspects usually defined later in the drug development stage. An illustrative example in Chapter 2 of our work involves the use of a fragment-based cysteine-reactive ligand library and ABPP methods to facilitate rapid and effective identification of a novel drug that targets glutathione synthesis in cancer cells, showcasing the potential of this integrated approach.

1.4 Figures

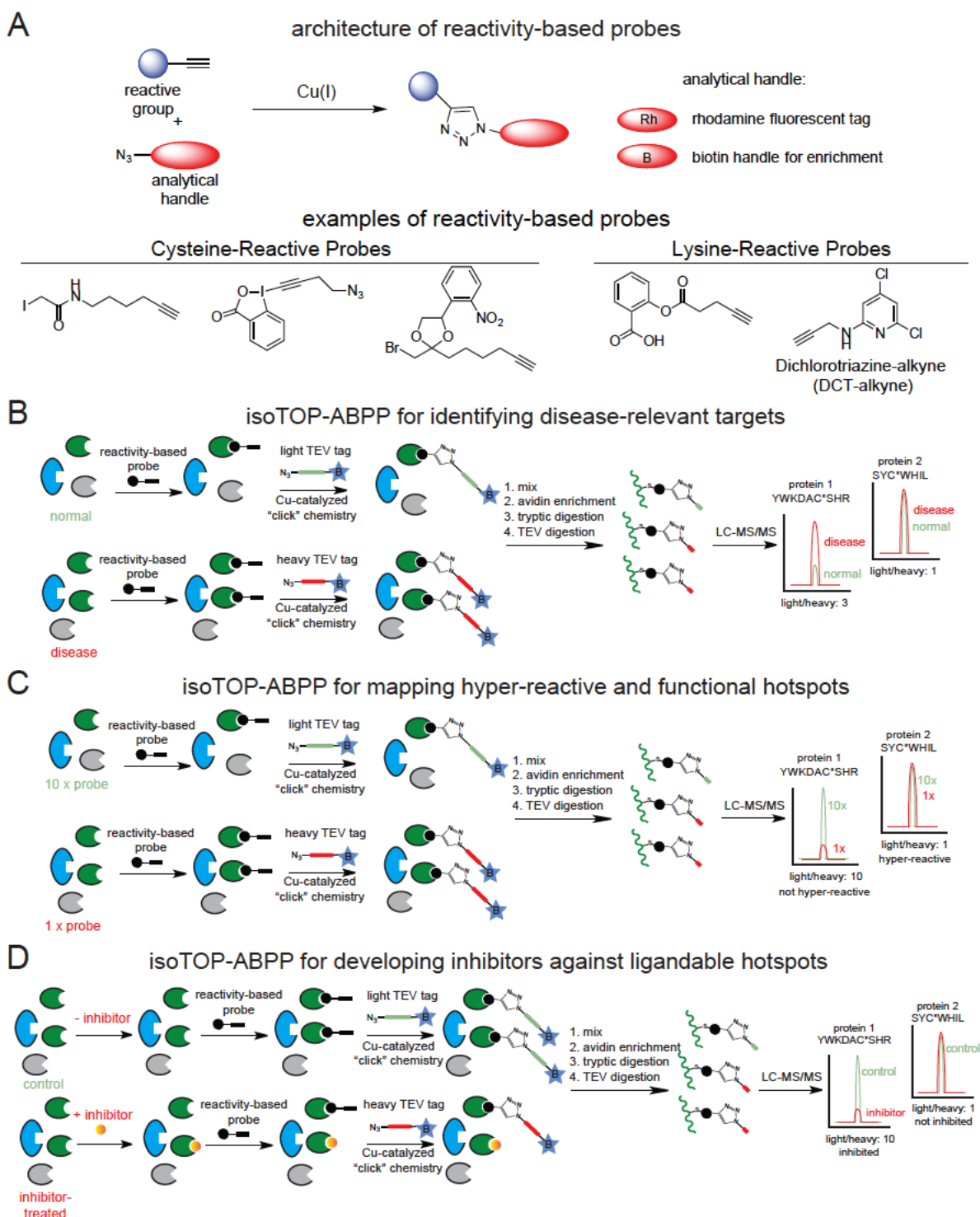


Figure 1.1. Schematic of isotopic tandem orthogonal proteolysis-enabled activity-based protein profiling. (A) Architecture of activity-based and reactivity-based biorthogonal probes and example structures. (B) Using isoTOP-ABPP platforms for identifying disease-relevant targets. Normal and diseased proteomes can be labeled

with activity or reactivity-based probes, followed by a click reaction to append isotopically light or heavy analytical biotin handles bearing a TEV protease cleavage sequence, followed by mixing of proteomes in a 1:1 ratio, avidin enrichment of probe-labeled proteins, TEV digestion to release probe-modified tryptic peptides, and quantitative proteomic analysis of probe-modified peptides. (C) Using isoTOP-ABPP for mapping hyper-reactive and functional hotspots in the proteome. The procedures would follow those described in (B), except that proteomes would be labeled with varying concentrations of probes (e.g. 10 x vs 1 x probe concentration) to quantitatively map highly reactive sites. (D) Using isoTOP-ABPP for pharmacological interrogation of ligandable sites. The procedures would mirror those described in (B), except that proteomes would be treated with vehicle or ligand to map not only the sites of probe labeling, but also sites where the ligand displaced probe labeling, facilitating both ligand discovery for targets of interest as well as an assessment of its proteome-wide selectivity.

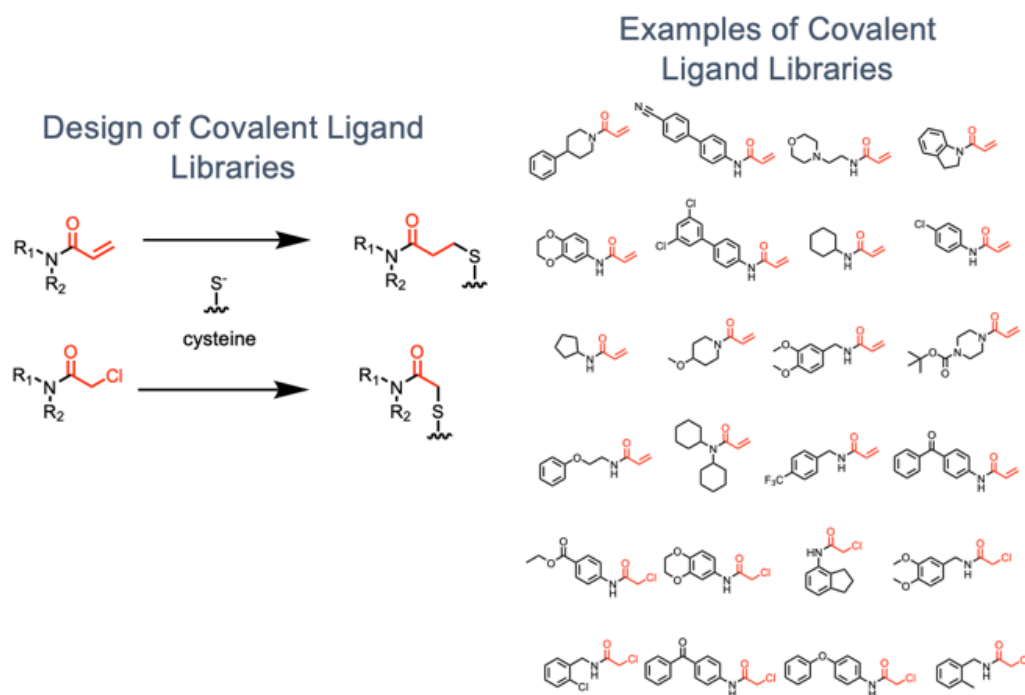


Figure 1.2. Examples of fragment-based covalent ligand libraries for targeting cysteine residues. Acrylamide and chloroacetamide warheads on small molecules enable fragment screening efforts against solvent-accessible cysteine residues found in proteins.

Chapter 2: Covalent Targeting of *De Novo* Glutathione Synthesis for Cancer Therapy

This chapter is based on the paper “Covalent Targeting of Glutamate Cysteine Ligase to Inhibit Glutathione Synthesis”²⁹ DOI: <https://doi.org/10.1002/cbic.202300371> and has been adapted with permission from all co-authors.

2.1 Summary

Many different types of cancers have dysregulated redox homeostasis which contributes to fueling cancer pathogenicity and acquiring drug resistance, but also presents a vulnerability that can be pharmacologically targeted for cancer therapy³⁰. For example, MYC-driven liver tumors show suppression of glutathione synthesis, and instead use glutamine-derived carbons for use in other metabolic pathways to support tumor growth. However, this alteration in metabolism makes these MYC-driven tumors hyper-sensitive to oxidative stress³¹. Previous studies have revealed that ARID1A-deficient cancers, through their downregulation of the cystine transporter SLC7A11, are specifically vulnerable to inhibition of glutathione synthesis³². Thus, targeting the synthesis of glutathione in cancer cells is an attractive strategy towards impairing certain types of human cancers through heightening oxidative stress and inducing cell death in cancer cells³³.

The glutathione (GSH) synthesis pathway is a two-step ATP-dependent process. The first step is carried out by the glutamate-cysteine ligase (GCL) which consists of two subunits--glutamate-cysteine ligase modifier subunit (GCLM) and glutamate-cysteine ligase catalytic subunit (GCLC). These two proteins come together in the rate-limiting step of GSH synthesis³⁴. While developing GCL inhibitors would potentially have chemotherapeutic implications, there are no drug-like GCL inhibitors. Buthionine sulfoximine (BSO), a substrate mimetic with poor drug-like properties, currently represents one of the best currently available GCL inhibitors³⁵. We sought to use covalent ligand discovery and chemoproteomic approaches to identify unique ligandable sites within and functional inhibitors for GCL.

We have discovered a cysteine-reactive covalent ligand, EN25, that covalently targets an allosteric cysteine C114 on GCLM, the modifier subunit of GCL. Using an *in vitro* activity assay, we show that EN25 functions to allosterically reduce ligase activity in the catalytic subunit, GCLC. We also used ARID1A-deficient cancer cells, A2780, that are particularly vulnerable to glutathione depletion, to show that EN25 lowers cellular GSH levels, and impairs cell viability compared to ARID1A-positive cancer cells, RMG-1. To study how the EN25 structure affects activity, we performed a small-scale SAR study and identified additional covalent ligands with moderately enhanced binding affinity *in vitro*. Our studies reveal a novel potentially ligandable site within GCLM that can be targeted to inhibit the GSH synthesis in cancer cells and induce cell death in cancer cell types that are vulnerable to oxidative dysregulation.

2.2 Introduction

Metabolic rewiring is fundamental to enabling cancer cells to constitutively proliferate, survive, and grow. Cancer cells are known to have increased aerobic glycolysis and glucose uptake, which leads to increased metabolism and aberrant signaling³⁶⁻³⁸. To keep up with the demands of these processes, cancer cells end up producing and sustaining heightened levels of reactive oxygen species (ROS). ROS are involved in diverse signaling pathways and are essential for a variety of biological processes which in turn can fuel cancer initiation, promotion, progression, and maintenance of particular tumor cell phenotypes³⁹⁻⁴¹. However, excess ROS that are not eliminated through the antioxidant defense mechanisms exert oxidative stress onto the cells in both normal and cancerous cells. Oxidative stress can lead to lipid peroxidation, which disrupts the cell membrane, allowing water to come in to cause cell swelling, lysis, and death^{42,43}. Additionally, ROS can oxidatively inactivate Ca²⁺/ATPases to elevate calcium influx, which disrupts cell morphology and impairs cellular functions⁴⁴. As such, precise regulation of redox homeostasis is critical for cell survival⁴⁵. Cancer cells, therefore, must counteract their elevated ROS, putting a selective pressure on pre-neoplastic cells to develop robust antioxidant defense mechanisms.

2.2.1 The role of glutathione in redox homeostasis

Glutathione (GSH) is the most abundant antioxidant and regulates cellular redox states by scavenging for and reacting with ROS, reactive nitrogen species (RNS), free radicals or xenobiotics to neutralize them⁴⁶. In a normal resting cell, the molar oxidized to reduced glutathione (GSH:GSSG) ratio exceeds 100:1, while in various models of oxidative stress, this ratio can fall to 10:1 and even 1:1⁴⁷⁻⁴⁹. GSH can directly react with radicals such as superoxide anion radical and regenerate enzymatic antioxidants such as α -tocopherol^{50,51}. GSH can also indirectly contribute to the antioxidant response as it is a major cofactor and substrate for several enzymes that participate in redox and conjugation reactions. For example, glutathione peroxidases (GPx) convert hydrogen peroxides and lipids to water or alcohols, by reducing GSH to GSSG to protect cells from lipid oxidation and reduce radical formation from Fenton reactions⁵²⁻⁵⁴. Similarly, glutathione redoxin (GRx) uses GSH to regenerate oxidized cysteines in proteins and reduce disulfide bonds or glutathylated proteins to protect from protein damage^{55,56}. In drug metabolism, Glutathione-S-Transferases (GST) bioconjugate GSH to xenobiotics and electrophiles for detoxification and subsequent excretion from the body^{57,58}.

2.2.2 Manipulating the redox homeostasis in cancer cells for therapy

One way to reduce a cancer cell's ability to resist ROS-induced cell death is to dismantle its antioxidant response^{1,2}. With the increased levels of ROS, comes a precarious balance between ROS and its antioxidants. Targeting glutathione, a major antioxidant, in cancer cells presents an attractive strategy to push the threshold of ROS to trigger death mechanisms⁵⁹.

Cancers with decreased GSH synthesis have shown hyper-sensitivity to oxidative stress. For example, MYC-driven liver tumors attenuate glutamate cysteine ligase (GCL) expression through miR-18a and show decreased GSH levels and increased sensitivity to oxidative stress, even though they are able to use glutamine-derived carbons for other metabolic pathways that support tumor growth³¹. Another study revealed that ARID1A-deficient cancers, through their downregulation of the cystine transporter SLC7A11, are specifically vulnerable to inhibition of GSH synthesis³². ARID1A encodes a transcription factor protein involved in the SWItch-SNiF chromatin-remodeling complex. This complex is involved in widescale transcriptional regulation, and the mutation perturbs transcriptional homeostasis and processes in DNA repair which contributes to its pathogenicity. Ovarian clear cell carcinoma and ovarian endometrioid carcinomas cancers frequently (50% and 30%, respectively) show ARID1A deficiency⁶⁰. Currently there are no effective therapies against these cancers, but studies show that inhibiting GSH in ARID1A-deficient cancer cells causes apoptosis by ROS in cells as well as tumor xenografts compared to non ARID1A-deficient cancer cells^{32,61,62}, a promising direction for therapeutic development.

On a pharmacological level, modulating GSH levels within cancer cells could enhance the efficacy of other anticancer therapies. Certain cancer therapeutics, such as carboplatin and cisplatin, act by cross-linking DNA to prevent replication and transcription, thereby initiating apoptosis^{63,64}. Increased GSH levels, as reflected by increased glutathione synthesis enzyme activity and corresponding gene transcription, have been shown to be associated with drug resistance in cancer cells^{65,66}. In these cancer populations, the excess GSH scavenges for these drugs in the cytosol before they can cross-link DNA and therefore reduces drug efficiency and increases drug-resistance^{63,67-69}.

2.2.3 Targeting *de novo* synthesis of glutathione

The majority of intracellular GSH comes from *de novo* GSH synthesis. GSH biosynthesis occurs via two ATP-dependent steps. First, GCL ligates glutamate and cysteine to form gamma-glutamylcysteine. This dipeptide is then converted into GSH by glutathione synthetase. The rate-limiting step is catalyzed by GCL, a holoenzyme composed of a catalytic (GCLC) and modulatory (GCLM) subunit. GCLM does not possess enzymatic activity alone, but when bound to GCLC, it increases GCLC productivity by nearly 5-fold⁷¹. In fact, oxidative stress enhances holoenzyme formation in addition to inducing expression of GCL subunits via the NRF2/KEAP1 signaling pathway to bolster the antioxidant response⁷²⁻⁷⁴.

Currently, the only known inhibitor targeting *de novo* GSH synthesis is L-buthionine sulfoximine (BSO), which targets specifically GCLC as an ATP mimetic inhibitor. Unfortunately, BSO does not demonstrate substantial therapeutic benefits on its own in clinical trials⁷⁵. BSO is not very specific towards normal and malignant cells and has poor bioavailability and *in vivo* PD/PK in mice and thus imposes limitations on its therapeutic potential^{76,77}. Another compound known to decrease GSH levels is the

prodrug APR-246 which is converted to methylene quinuclidinone (MQ). MQ targets cysteines on the tumor suppressor p53 to encourage refolding, and is not directly involved in GSH synthesis, but rather, it inhibits thioredoxin reductase (TrxR1) and prevents conversion of GSSG into GSH to deplete GSH pools⁷⁸. However, APR-246 has many other targets and is not specific to the glutathione synthesis pathway⁷⁹ and there is evidence that *de novo* GSH synthesis, and not recycling of GSSG plays an important role in modulating ROS homeostasis in T cells⁸⁰. Thus, inhibiting *de novo* GSH biosynthesis reveals a mechanism of cancer vulnerability and an improved GCL inhibitor is highly desired for treating tumors that are sensitive to oxidative stress.

2.3 Results

2.3.1 Identification and characterization of a GCL inhibitor

In this study, we screened a library of 679 cysteine-reactive covalent fragment ligands against pure human GCLC and GCLM protein in an activity assay to look for ligands that inhibit GCL function. This assay reads out a derivatized form of the GCL product, gamma-glutamylcysteine via colorimetry. Compounds that showed >80% inhibition of activity were next examined for potency via dose-dependent activity assays. Through this screen, we identified the acrylamide EN25 to be a top hit that dose-responsively inhibited GCL activity with a 50% inhibitory concentration (IC₅₀) of 16µM. (**Fig. 2.1a-c**).

We next sought to identify the site of EN25 modification on the GCL protein complex by performing LC-MS/MS analysis of tryptic digests from GCLC and GCLM labeled with EN25. We identified selective and covalent EN25 modification of C114 on GCLM. This modification had not been previously detected in our ligandability database and thus presented a new ligandable hotspot within GCL. Given that GCLM is the regulatory subunit of the GCL complex, we postulate that covalent targeting of C114 results in allosteric inhibition of GCLC catalytic enzyme activity. (**Fig. 2.1d**).

To further demonstrate covalent modification of this scaffold with GCLM, we synthesized an alkyne-functionalized analog of EN25, EN25-alkyne. We first treated GCL with EN25 and then EN-25 alkyne which was then subjected to copper-catalyzed click reaction for appending rhodamine. We saw that this probe showed covalent labeling of GCLM and dose-responsive competition by EN25. The EN25-alkyne also demonstrated an IC₅₀ for GCL activity of 3.6 µM. All together, these experiments suggest that this alkyne probe can be used as a tool to enable competitive chemoproteomic studies. (**Fig. 2.1e-f**).

2.3.2 Chemoproteomic studies of EN25 in cellular models to look at EN25 selectivity

Previous studies have used A2780 and RMG-1 ovarian cancer cells as representative ARID1A-deficient and ARID1A-positive cells to demonstrate ARID1A-deficiency-mediated susceptibility to glutathione synthesis inhibition.³² The A2780 model cell line expresses lower levels of SLC7A11 and has reduced cystine transport. Cystine, once reduced to cysteine, is used by a multitude of antioxidant molecules beyond just GSH⁸¹.

Limiting these other antioxidants along with GSH will enhance the effects we see when targeting the GSH pathway.

To understand the proteome-wide selectivity of EN25 and identify potential off-targets, we next performed cysteine chemoproteomic profiling using isoTOP-ABPP^{7,8,17,82}. The isoTOP-ABPP is a competitive assay between a covalently-acting molecule and a broader reactive probe, which enables read-out of potential EN25-targeting hotspots. As such, we treated A2780 ARID1A-negative cancer cells with either vehicle or EN25, and subsequently treated resulting cell lysates with the alkyne functionalized cysteine-reactive iodoacetamide probe, after which isotopically encoded cleavable biotin-azide enrichment handles were appended onto probe-labeled proteins by click-chemistry, and subjected to avidin-enrichment, tryptic digestion, elution of probe-modified tryptic peptides, and analysis by quantitative proteomic methods. We identified >10,000 peptides bearing light or heavy IA-alkyne-modified cysteines, with 9 targets showing >4 light:heavy ratios. While we were not able to identify a probe-modified tryptic peptide encompassing C114 of GCLM, these nine potential off-targets of EN25 out of >5000 cysteines within proteins quantified in cells (**Fig. S2; Table S2**) indicate a moderate off target profile. These nine targets included HNRNPA3 C85, MTHFD1L C779, C9Orf142 C180, SIRT6 C18, GPKOW C137, PNN C439, ALDH7A1 C478, NUP85 C515, and U2URP C62. None of these nine off-targets were likely to influence glutathione metabolism, nor act directly in antioxidant compensatory pathways in cancer cells, so we deemed this overall selectivity to be sufficient for follow-up studies.

2.3.3 Characterizing the anticancer activity of EN25 in a cellular model

Given that ARID1A-negative cancer cells have been previously shown to be more susceptible to inhibition of glutathione synthesis compared to ARID1A-positive cancer cells, we next sought to determine whether EN25 selectively impairs cell viability of ARID1A-negative A2780 ovarian cancer cells, compared to ARID1A-positive RMG-1 ovarian cancer cells. Consistent with this premise, RMG-1 cancer cells showed resistance to EN25-mediated cell viability impairments compared to the more sensitive A2780 cancer cell line (**Fig. 2.2a**). We still observe impairments in cell viability with EN25 in RMG-1 cells which may be through other cellular targets of EN25 beyond GCLM.

To quantitatively measure changes in GSH in the cell, we use single reaction monitoring (SRM)-based LC-MS/MS to profile GSH metabolites after EN25 treatment. We further demonstrated that EN25 significantly lowered GSH levels in A2780 cancer cells compared to no changes observed in RMG-1 cells (**Fig. 2.2b**). These differences were not due to variation in GCLM expression between A2780 and RMG-1 cells as evidenced by Western blotting of the cells (**Fig. S3**).

We next hypothesized that GCL inhibition and depletion of cellular GSH levels with EN25 treatment in ARID1A-negative cancer cells would lead to accumulation of oxidative stress and lipid peroxidation, two hallmarks of ferroptosis-mediated cell death. To test this, we pre-treated A2780 cancer cells with a ferroptosis inhibitor, ferrostatin, before treatment with EN25. Consistent with our hypothesis, we saw that ferrostatin

treatment attenuated the cell viability impairments conferred by EN25 treatment in A2780 cancer cells (**Fig. 2.2e**). These results indicate that EN25 impairs cancer cell proliferation, at least partially, through ferroptosis-mediated mechanisms.

To confirm that the effects we observed were through on-target activity, we sought to see if GCLM knockdown with siRNA affected cell viability. With a knockdown of ~83% of GCLM, A2780 cells showed hypersensitivity to EN25 treatment and impaired cell viability compared to non-targeting siControl A2780 cells (**Fig. 2c-2d**). GCLM knockdown with siRNA did not impair A2780 cell viability by itself, potentially because of partial knockdown of GCLM or insufficient duration of GCLM knockdown.

2.3.4 SAR studies to optimize potency and selectivity of EN25

We also explored structure-activity relationship of EN25 analogs that were commercially available to inform future medicinal chemistry efforts. Through testing of 12 EN25 analogs that were commercially obtained through Enamine, we found a few analogs with improved potency. EN25-7 and EN25-8 showed the best inhibitory potency against GCL with IC₅₀s of 8.9 and 6.8 μ M, respectively (**Fig. 2.3**). We also demonstrated that the structurally related analog EN25-12 can serve as a potential negative control compound for EN25. EN25-12 does not inhibit GCL activity with an IC₅₀ >50 μ M and does not show impaired cell viability or reductions in GSH levels (**Fig. S4**). We further showed that EN25-7 and EN25-9 reduced GSH levels in A2780 at the 2 h timepoint (**Fig. S5**).

As previously mentioned, we postulated EN25 to allosterically disrupt GCL activity. To investigate whether EN25 or similar analogs manifests this effect through disrupting GCL holoenzyme formation, we did a preliminary test to see if we can pull-down GCLC with overexpressed GCLM in HEK cells. Taking EN25, EN25-7 and EN25-9, we treated HEK cells overexpressing GCLM-FLAG to see if endogenous GCLC could be pulled down through a co-immunoprecipitation experiment. We did not see reduction of GCLC after the pulldown, suggesting that at the 1 hour timepoint, EN25 and its analogs do not seem to disrupt GCLM binding to GCLC (**Fig. S6**).

2.4 Conclusion

In this study, we aimed to target *de novo* glutathione synthesis in cancer cells sensitive to oxidative stress, by targeting the first enzyme involved in glutathione synthesis, GCL. To achieve this, we used a cysteine-reactive covalent ligand library to functionally screen for GCL inhibitors. We have discovered a novel GCL inhibitor, EN25 that uniquely inhibits GCL activity through allosteric and covalent targeting of C114 on the regulatory GCLM subunit. Using a variety of biochemical and cell-based assays, we demonstrate that EN25 inhibits GCL activity, lowers glutathione levels and impairs cancer cell proliferation, preferentially in ARID1A-negative cancer cells through in-part a ferroptosis-mediated mechanism. EN25 represents a novel ligand and C114 on GCLM represents a novel ligandable site for inhibiting GCL activity. Through a small-scale SAR study, we identified additional covalent ligands with moderately enhanced binding

affinity *in vitro*. Additionally, the EN25-alkyne probe can be used as a tool for future chemoproteomic studies and EN25-12 as a promising negative control.

2.5 Figures

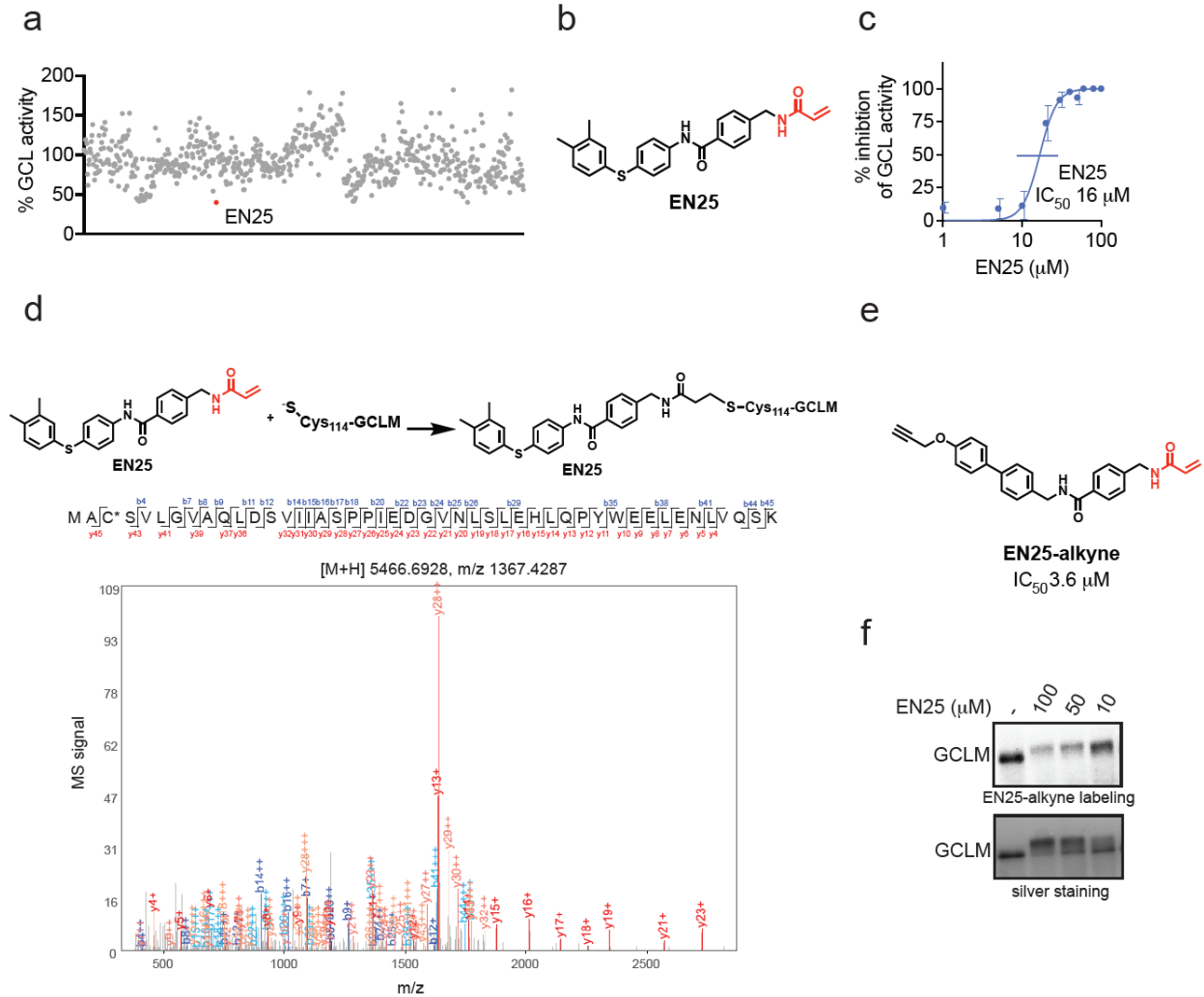


Figure 2.1. Identification of a covalent inhibitor of the GCL complex. (a) A functional screen of cysteine-reactive covalent ligands against GCL to look for inhibition of GCL activity. Pure GCL protein was incubated with its substrates, cofactors, and DMSO vehicle or covalent ligand. The product, gamma-glutamylcysteine (GluCys), was converted to a derivative of 2,3-naphthalenedicarboxaldehyde (NDA), NDA-GluCys, to enable a colorimetric readout of product formation. The top hit, EN25, is shown in red. (b) Structure of EN25 with the cysteine-reactive acrylamide moiety highlighted in red. (c) EN25 showed an IC_{50} of 16 μM on GCL activity. (d) MS/MS analysis of EN25 adduct on the GCL complex showed that EN25 modifies C114 on GCLM. Pure human GCLM and GCLC were incubated with EN25 (50 μM) for 30 min at 37°C. The GCL complex was then subjected to tryptic digestion, and tryptic digests were analyzed by LC-MS/MS. (e) Structure of the alkyne-functionalized analog of EN25 (EN25-alkyne) that demonstrated an IC_{50} of 3.6 μM on GCL activity. (f) Gel-based ABPP showing that EN25 displaces

EN25-alkyne labeling of pure human GCLM protein. GCLM was pre-incubated with DMSO vehicle or EN25 for 30 min at 37°C, prior to EN25-alkyne labeling (50 μM final) for 2 h at 37°C. Rhodamine-azide was appended to probe-modified protein by Copper-catalyzed azide-alkyne cycloaddition (CuAAC), subjected to SDS/PAGE, and analyzed by in-gel fluorescence. Shown below is a silver stain of the gel to show equal protein loading. Graph shown in (a) is representative of n=2 biologically independent replicates/group and percentage values for each compound and structures of compounds screened are listed in Table S1. Graph shown in (c) is representative of n=4 biologically independent replicates/group. Gel shown in (f) is representative of n=3 biologically independent replicates/group.

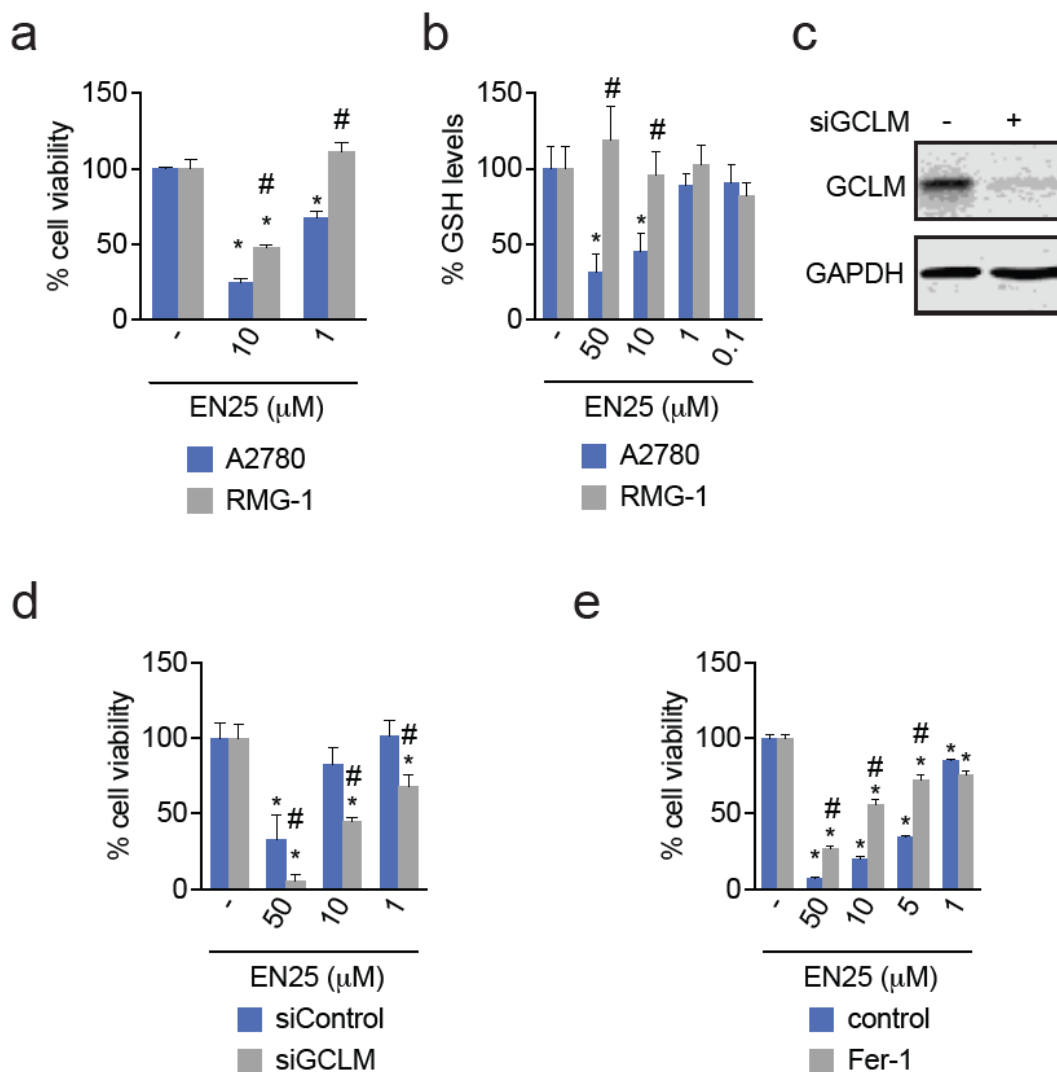


Figure 2.2. Characterizing the effect of EN25 on GCLM and glutathione (GSH) levels *in vitro*. (a) EN25 impairs A2780 cell viability over RMG-1 cell viability. Cells were treated with DMSO vehicle or EN25 and cell proliferation was assessed by Hoechst staining at 24 hr. (b) EN25 selectively reduces GSH levels in A2780 over

RMG-1 cell lines. Cells were treated with DMSO vehicle or EN25 and GSH levels were detected by SRM LC-MS/MS 4hr post treatment. (c-d) GCLM knockdown with siRNA in A2780 cells confers hypersensitivity to EN25-mediated cell viability impairments. A2780 cells were transfected with siControl or siGCLM for transient knockdown and used for experiments 48 hr after transfection. (c) Western blot for GCLM and loading control GAPDH in transfected A2780 cells. (d) Cell proliferation of siGCLM A2780 cell lines compared to siControl A2780 cell lines after 24 hr treatment with EN25. Proliferation was measured by Hoechst staining. (e) Ferrostatin-1 attenuates EN25-mediated cell viability impairments in A2780. A2780 cells were treated with DMSO vehicle or 2 μM of Ferrostatin-1 immediately prior to DMSO vehicle or EN25 treatment. Cell viability was measured at 48 hr with Hoechst staining. Data in (a, b, c, d, e) are shown as percentage compared with DMSO vehicle control and show average \pm sem of $n=6$ for (a, c, d, e) and $n=3$ for (b) biologically independent replicates/group. Statistical significance is calculated as $*p < 0.05$ compared to DMSO vehicle and $\#p < 0.05$ compared to cells treated with EN25 alone. Blot shown in (c) is representative of $n=3$ biologically independent replicates/group.

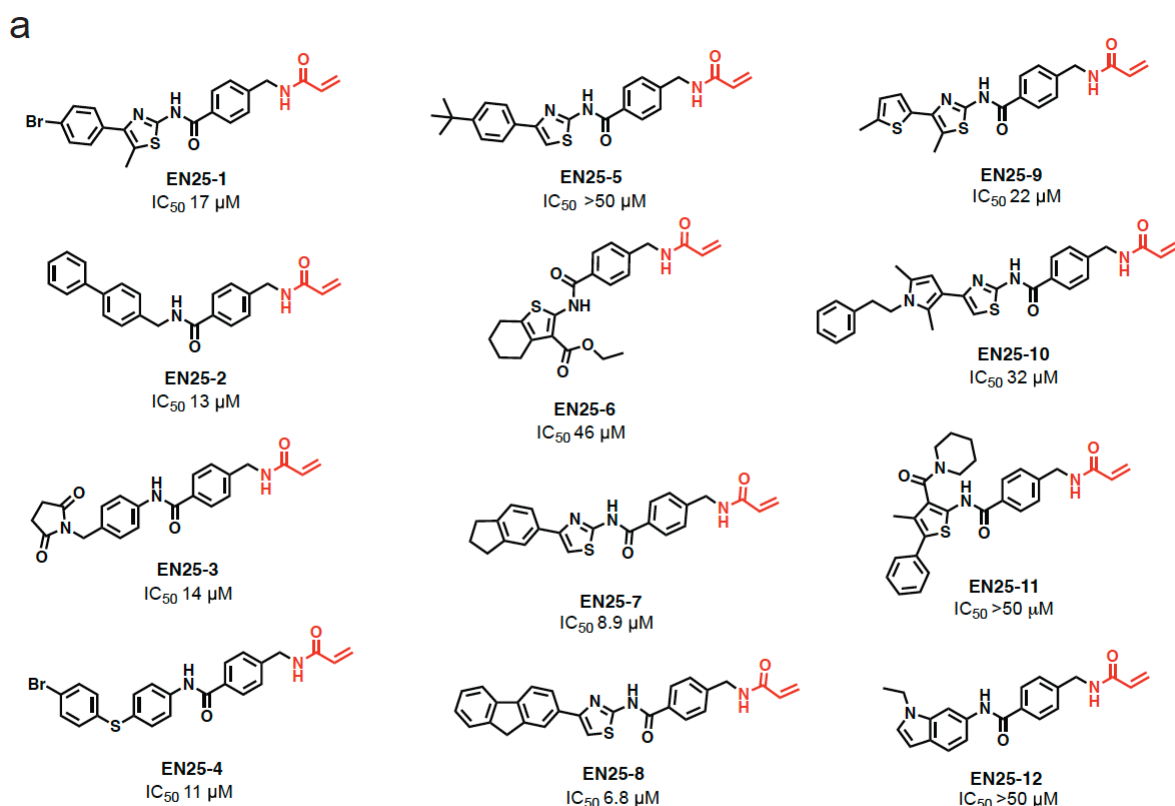


Figure 2.3. Structures of EN25 analogs and associated IC_{50} values for GCL inhibition. (a) Structures of EN25 analogs with the cysteine reactive acrylamide moieties highlighted in red. The associated IC_{50} values listed below were determined via the functional assay described in (Fig. 1a).

S AV D M A [C*] S V L [G] V A Q L D S [V] I I I A [S] P P I E D [G] V N [L] S [L] E H L Q [P] Y W E E [L] E N [I] L V Q S K

b5 b6 b7 b10 b17 b30 b32 b42
y45 y39 y32 y31 y30 y29 y28 y27 y23 y13 y6 y5 y4

[M+H]⁺ 5822.9536, m/z 1456.4711

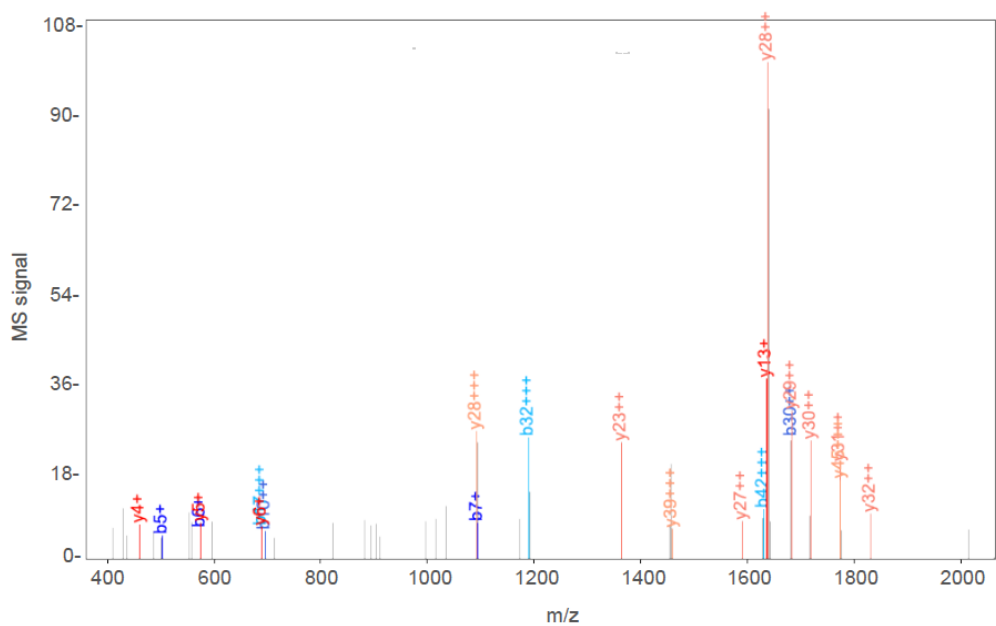


Figure S1. An additional MS/MS spectra of an EN25 adduct on the GCL complex showing that EN25 modifies C114 on GCLM. Pure human GCLM and GCLC were incubated with EN25 (50 μ M) for 30 min at 37°C. The GCL complex was then subjected to tryptic digestion, and tryptic digests were analyzed by LC-MS/MS.

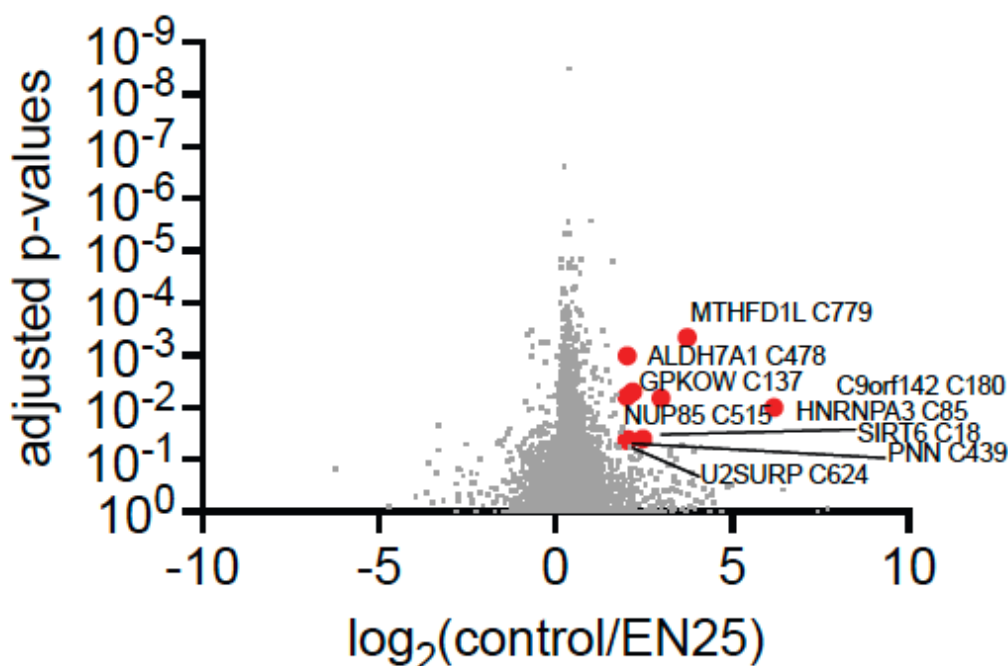


Figure S2. isoTOP-ABPP analysis of EN25 in A2780 ovarian cancer cells. A2780 cells were treated *in situ* with DMSO vehicle or EN25 (50 μ M) for 90 min prior to labeling of the proteomes *ex situ* with IA-alkyne (100 μ M) for 1 hr. Isotopically light (for DMSO-treated) or heavy (for compound-treated) TEV protease-cleavable biotin-azide tags were appended by CuAAC and probe-labeled proteomes were mixed in a 1:1 control/treated ratio, enriched with avidin, digested with trypsin, and eluted with TEV protease for isoTOP-ABPP analysis. Shown are control versus EN25 probe-modified peptide ratios and adjusted p-values for peptides identified in at least 2 out of the 4 biological replicates/group. Shown in red are the modified residues of targets that showed >2-fold control/EN25 ratio with adjusted $p < 0.05$. Raw proteomic data is in Table S2.

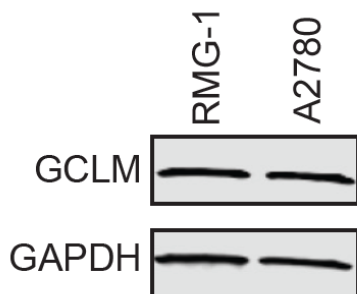


Figure S3. GCLM expression in RMG-1 and A2780 cells. GCLM and loading control GAPDH levels in RMG-1 and A2780 cells assessed by Western blotting. Shown is a representative blot from $n=3$ biological replicates/group.

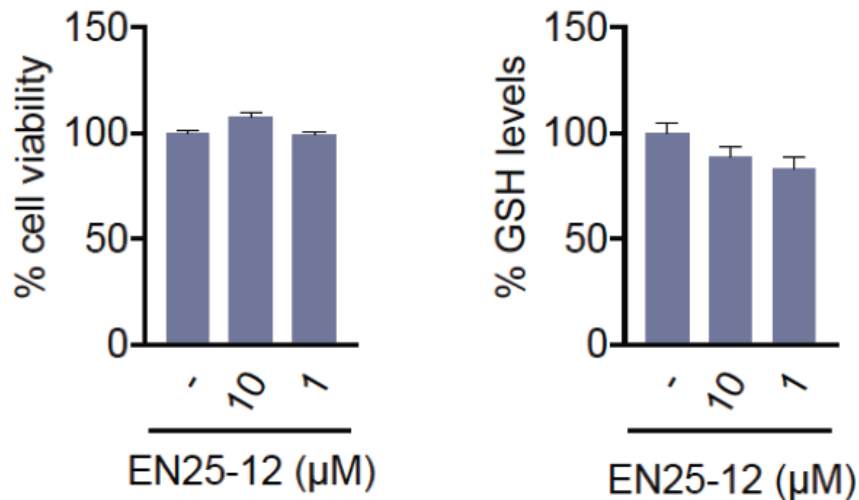


Figure S4. Cell viability and GSH levels with EN25-12 treatment in A2780 cells. A2780 cells were treated with DMSO vehicle or EN25-12 for 4 h and cell viability and GSH levels were assessed. Data shown are average \pm sem of n=6 biologically independent replicates/group.

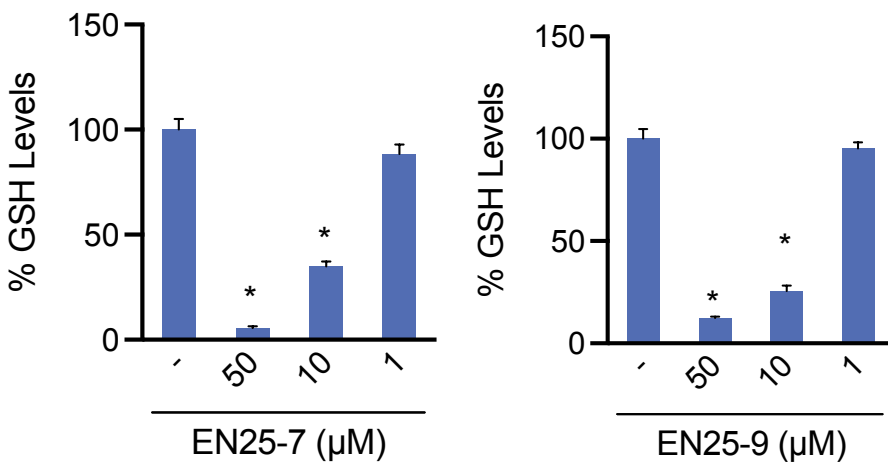


Figure S5. GSH Levels with EN25-7 and EN25-9 treatment in A2780 cells. A2780 cells were treated with DMSO vehicle or EN25-7 and EN25-9 for 2 h and GSH levels were assessed. Data shown are average \pm sem of n=6 biologically independent replicates/group.

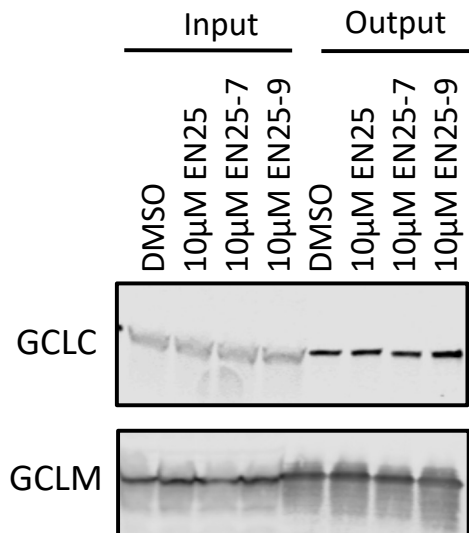


Figure S6. Flag pulldown of GCLM in HEK lysates with EN25, EN25-7, and EN25-9 treatment. HEK cells overexpressed with a GCLM-Flag tag construct were treated with DMSO vehicle, EN25, EN25-7, or EN25-9 for 1 h. The HEK cell lysates were incubated with Flag-agarose slurry for 1.5hr and washed with PBS before elution with 3 x FLAG peptide. GCLM, GCLC, and loading control GAPDH levels before and after the pulldown were assessed by Western blotting. Shown is a representative blot from n=3 biological replicates/group.

2.6 Methods

Cysteine-reactive covalent ligand libraries purchased from Enamine or their synthesis were previously described^{83–86}. Their structures are all shown in Table S1. EN25 was purchased from Enamine (catalog number EN300-6724985).

2.6.1 Cell Culture

A2780 cells (obtained from Sigma-Aldrich, 93112519-1VL) were cultured in RPMI-1640 Medium containing 10% (v/v) fetal bovine serum (FBS) and 10mM glutamine and maintained at 37°C with 5% CO₂. RMG-1 cells (obtained from Fisher Scientific, NC0992912) were cultured in Ham's F12 Medium containing 10% (v/v) fetal bovine serum (FBS) and 10mM glutamine and maintained at 37°C with 5% CO₂. HEK cells (obtained from American Type Culture Collection) were cultured in DMEM Medium containing 10% (v/v) fetal bovine serum (FBS) and 10mM glutamine and maintained at 37°C with 5% CO₂.

2.6.2 GCL Functional Assay Screen

GCL activity was determined by the fluorescence assay described by Chen et al.⁸⁷ For the activity assay screen, pure human recombinant GCLC (0.05 μ M) and GCLM (0.1 μ M) protein (obtained from Ono Pharmaceuticals) were mixed in PBS and aliquoted into a

96-well v-bottom assay plate (Corning, P-96-450V-C) in a total volume of 20 μ l. Covalent ligands or DMSO vehicle were then added (0.5 μ l) to the protein and incubated for 30 minutes at 37°C. Next, 20 μ l of GCL-reaction cocktail [400 mM Tris-HCl, 40 mM adenosine triphosphate (ATP), 40 mM L-glutamic acid, 2 mM EDTA, 20 mM sodium borate, 2 mM serine and 40 mM MgCl₂] was added to each well and incubated at 37°C for 5 min. The reaction was initiated with 20 μ l of 30 mM cysteine solution (dissolved in TES/SB buffer) and the mixtures were incubated at 37°C for 15 min. The GCL reaction was stopped by precipitation of proteins with 200 mM 5-sulfosalicylic acid (Sigma Aldrich, 247006) and then put onto ice for 20 min. Afterwards, the mixtures were centrifuged at 2,500 rpm at 4°C for 10 min and 20 μ l of the supernatant that contained the γ -glutamylcysteine (γ -GC) product was added to a half-area black 96-well plate (Corning, 3904). For fluorescence detection, 100 μ l 2,3-naphthalenedicarboxyaldehyde (NDA) solution [50 mM Tris, pH 10, 0.5 N NaOH, and 10 mM NDA in Me₂SO, v/v/v 1.4/0.2/0.2] was added into each well and incubated in the dark at room temperature for 30 min. The formation of NDA- γ -GC was measured (472 nm excitation/528 nm emission) using a fluorescent plate reader (Spark; Tecan Group Ltd.).

2.6.3 LC/MS-MS Analysis of EN25 Interactions with GCLC/GCLM

The GCL complex made in a 2:1 GCLM:GCLC molar ratio totaling 50 μ g in 50 μ L PBS was incubated for 30 min at 37°C with EN25 (50 μ M). To precipitate the protein, 10 μ L of 100% (w/v) TCA was added to the sample which was then cooled to -80 °C for 1 h. The sample was then spun at 20,000 x g for 10 min at 4°C and washed three times with ice cold 0.01 M HCl/90 % acetone solution. The pellet was resuspended in 4 M urea containing 0.1 % Protease Max (Promega Corp. V2071) and diluted in 40 mM ammonium bicarbonate buffer. Next, the sample was reduced with 10 μ l of 10 mM TCEP and incubated at 60 °C for 30 min. Afterwards, 10 μ l of 150mM iodoacetamide was added and incubated at room temperature for 30 minutes. The sample was then diluted 50% with PBS before addition of sequencing grade trypsin (1 μ g per sample, Promega Corp, V5111) and incubated overnight at 37 °C. The next day, formic acid was added to the samples to a final concentration of 5 % and centrifuged at 13,200 rpm for 30 min at room temperature. The supernatant was transferred to a new tube and stored at -80°C until MS analysis and was analyzed as previously described, wherein a search was ran for the predicted mass adduct on cysteines ^{86,88}.

2.6.4 Cell Viability Assessment

Cell viability assays were performed using Hoechst 33342 dye (Invitrogen, H3570) according to the manufacturer's protocol and as previously described ⁸⁵. Cells were seeded into 96-well plates (6,000 per well) in a total volume of 200 μ L and left to adhere overnight. Cells were treated with 1 μ L of compound working stock or DMSO vehicle. After the appropriate incubation period, media was aspirated from each well and 100 μ L of staining solution containing 10% formalin and Hoechst 33342 dye was added to each well and incubated in the dark for 15 min at room temperature. Staining solution was removed, and wells were washed three times with PBS before fluorescent reading (Spark; Tecan Group Ltd.).

2.6.5 LC-MS/MS-Based Quantification of GSH Levels in Cells

Cells were seeded into 6 cm dishes at 2×10^6 million cells per well in 2 mL and allowed to adhere overnight. Cells were treated the next day with DMSO or EN25 for 4 h before harvesting on ice with PBS. Cells were lysed by probe sonication and pelleted by centrifugation. Pellets were frozen at -80°C for one hour. For polar extraction, $180\mu\text{L}$ of 40:40:20 acetonitrile:methanol:water was added to each frozen cell pellet on dry ice. An internal standard of L-Serine- $^{15}\text{N}_3$ (1 nmole final, Cambridge Isotope Labs, DNLM-6863) was added to each sample. Precipitated proteins and lipids were pelleted by centrifugation at $16,000 \times g$ for 10 min. The supernatant was then transferred into a polyspring insert inside an LC-MS/MS vial, briefly vortexed, and ran through a QQQ mass spec through a C18 reverse phase column (Phenomenex, 00B-4435-E0) at a 0.7ml/min flow rate. GSH levels were detected by single reaction monitoring (SRM) and normalized to internal standard and compared against GSH levels in DMSO-treated controls. Data was analyzed as previously reported²⁸²⁸.

2.6.6 Determining GSH Levels using the GSH-Glo Kit

To assess cellular glutathione levels, we used the GSH-Glo™ Glutathione Assay Kit (Promega, V6911) and the protocol was followed as described in the manufacture's instructions. Cells were seeded into flat white 96-well plates (Corning, 3917) at 6,000 cells per well in $200\mu\text{L}$ and allowed to adhere overnight. Cells were then treated with DMSO vehicle or compound. After the appropriate treatment time, media was aspirated from each well before addition of 1X GSH-Glo™ Reagent ($100\mu\text{l}$) and incubated at room temperature for 30 minutes on a plate shaker. Next, Luciferin Detection Reagent ($100\mu\text{l}$) was added to the wells and the plate was incubated at room temperature for 15 minutes on a plate shaker before measurement of luminescence with a plate reader.

2.6.7 Gel-based ABPP

Gel-based ABPP methods were performed as previously described⁸⁶. Recombinant pure human GCLM ($0.1\mu\text{g}$), provided by from Ono Pharmaceuticals, was pre-incubated with DMSO vehicle or EN25 ($10\text{-}100\mu\text{M}$ final concentration) for 30min at 37°C , prior to labeling by the covalently-acting EN25-alkyne probe ($50\mu\text{M}$) for 2 hr in a volume of $50\mu\text{L}$ of PBS. CuAAC was performed to append rhodamine-azide (1 mM final concentration) onto alkyne probe-labeled proteins. Samples were then diluted with $30\mu\text{L}$ of 4 x reducing Laemmli SDS sample loading buffer (Alfa Aesar) and heated at 90°C for 5 min. The samples were separated on precast 4-20% TGX gels (Bio-Rad Laboratories, Inc.) and scanned using a ChemiDoc MP (Bio-Rad Laboratories, Inc.).

2.6.8 Silver staining

Silver staining of pure protein was performed according to the manufacturer's protocol to detect total protein on polyacrylamide gels (Pierce, PI24612). Briefly, gels were fixed in 30:10 ethanol:acetic acid solution for 2×15 minutes and washed with 10% ethanol for 2×5 minutes and then milliQ water for 2×5 minutes. Gels were sensitized with

Sensitizer solution for 1 minute before 2 x 1 wash with water. Gels were stained for 30 minutes with the Stain solution before development with Developer. Development was stopped with 5% acetic acid for 10 minutes before imaging.

2.6.9 IsoTOP-ABPP Chemoproteomic Profiling

IsoTOP-ABPP studies were done as previously reported^{17,82,85,90}. Cells were seeded and grown to a confluency of approximately 90% and treated for 90 min with either DMSO vehicle or EN25 before harvest and lysis. Cells were lysed by probe sonication in PBS and protein concentrations were measured by a bicinchoninic acid (BCA) assay and normalized to 4 mg/ml. Proteomes were subsequently labeled with 100 μ M of a cysteine-reactive alkyne functionalized iodoacetamide probe (IA-alkyne) for 1 hour at room temperature. CuAAC was performed by sequential addition of 1 mM TCEP (Sigma), 34mM tris((1-benzyl-1H-1,2,3-triazol-4-yl)methyl)amine, 1mM copper(II) sulfate, and a functionalized biotin-linker-azide with a TEV protease recognition sequence containing an isotopically light (for control) or heavy (for treatment) valine. Following CuAAC, proteomes were precipitated by centrifugation at 6500 x g, washed in ice-cold methanol, combined in a 1:1 control/treated ratio, washed again, then denatured and resolubilized by heating in 1.2 % SDS/PBS to 80°C for 5 minutes. Insoluble components were precipitated by centrifugation at 6500 x g and the soluble proteome was diluted in 5 ml 0.2% SDS/PBS. Avidin-agarose beads (Thermo Pierce, PI20349) were added to the labeled proteins and samples were rotated overnight at 4°C to encourage binding. Bead-linked proteins were enriched by washing three times each in PBS and water, then resuspended in 6 M urea/PBS (Sigma) and reduced in 1 mM TCEP, alkylated with 18 mM iodoacetamide (IA) (Sigma, 786-228), then washed and resuspended in 2 M urea and trypsinized overnight with 0.5 μ g/ μ l sequencing grade trypsin (Promega, V5111). Tryptic peptides were eluted off with spin columns (BioRad, 7326204) under a vacuum manifold. Beads were then washed three times each in PBS and water, washed in TEV buffer solution (water, TEV buffer, 100 μ M dithiothreitol), and resuspended in buffer with Ac-TEV protease and incubated overnight. Peptides were diluted in water and acidified with 1.2M formic acid (Thomas Scientific, A11750) in preparation for mass spectrometry analysis.

2.6.10 IsoTOP-ABPP Mass Spectrometry Analysis

Peptides from all chemoproteomic experiments were pressure-loaded onto a 250 μ m inner diameter fused silica capillary tubing packed with 4 cm of Aqua C18 reverse-phase resin (Phenomenex, 04A-4299), which was previously equilibrated on an Agilent 600 series high-performance liquid chromatograph using the gradient from 100% buffer A to 100% buffer B over 10 min, followed by a 5 min wash with 100% buffer B and a 5 min wash with 100% buffer A. The samples were then attached using a MicroTee PEEK 360 μ m fitting (Thermo Fisher Scientific p-888) to a 13 cm laser pulled column packed with 10 cm Aqua C18 reverse-phase resin and 3 cm of strong-cation exchange resin for isoTOP-ABPP studies. Samples were analyzed using an Q-Exactive Plus mass spectrometer (Thermo Fisher Scientific) using a five-step Multidimensional Protein Identification Technology (MudPIT) program, using 0, 25, 50, 80 and 100% salt bumps

of 500 mM aqueous ammonium acetate and using a gradient of 5–55% buffer B in buffer A (buffer A: 95:5 water:acetonitrile, 0.1% formic acid; buffer B 80:20 acetonitrile:water, 0.1% formic acid). Data were collected in data-dependent acquisition mode with dynamic exclusion enabled (60 s). One full mass spectrometry (MS1) scan (400–1,800 mass-to-charge ratio (m/z)) was followed by 15 MS2 scans of the *n*th most abundant ions. Heated capillary temperature was set to 200 °C and the nanospray voltage was set to 2.75 kV. Data were extracted in the form of MS1 and MS2 files using Raw Extractor v.1.9.9.2 (Scripps Research Institute) and searched against the Uniprot human database using ProLuCID search methodology in IP2 v.3v.5 (Integrated Proteomics Applications, Inc.) (Xu et al., 2015). Cysteine residues were searched with a static modification for carboxyamino-methylation (+57.02146) and up to two differential modifications for methionine oxidation and either the light or heavy TEV tags (+464.28596 or +470.29977, respectively). Peptides were required to be fully tryptic peptides and to contain the TEV modification. ProLUCID data was filtered through DTASelect to achieve a peptide false-positive rate below 5%. Only those probe-modified peptides that were evident across two out of three biological replicates were interpreted for their isotopic light to heavy ratios. For those probe-modified peptides that showed ratios greater than two, we only interpreted those targets that were present across all three biological replicates, were statistically significant and showed good quality MS1 peak shapes across all biological replicates. Light versus heavy isotopic probe-modified peptide ratios are then calculated by taking the mean of the ratios of each replicate paired light versus heavy precursor abundance for all peptide-spectral matches associated with a peptide. The paired abundances were used to calculate a paired sample t-test P value to estimate constancy in paired abundances and significance in change between treatment and control. P-values were corrected using the Benjamini–Hochberg method.

2.6.11 GCLM Knockdown Studies

RNAi was performed by using siRNA purchased from Dharmacon specific to GCLM. A2780 cells were seeded at a density of 3×10^5 cells per mL in a 6-well format and allowed to adhere overnight. The next day, cells were transfected with 25 nM of small interfering RNA (siRNA) to GCLM (Dharmacon L-011670-01-0005) or a non-targeting negative control (ON-TARGETplus Non-targeting Control Pool, Dharmacon #D-001810-10-05) using 50 nM of DharmaFECT4 (Horizon Discovery, T-2005-01) as a transfection reagent. Transfection reagent was added to OPTIMEM (ThermoFisher, 31985070) media and allowed to incubate for 5 min at room temperature. Meanwhile, siRNA was added to an equal amount of OPTIMEM. Solutions of transfection reagent and siRNA in OPTIMEM were then combined and allowed to incubate for 30 minutes at room temperature. These combined solutions were diluted with complete DMEM to provide 200 μ l per well, and the media was exchanged. After 48 h, cells were supplemented with DMSO or compound and cultured for an additional 24 to 48 h before undergoing cell viability testing as described above. Cells were then harvested, and lysates were obtained to analyze protein abundance via Western blotting.

2.6.12 Western Blots and Quantification

Proteins were resolved by SDS/PAGE and transferred to nitrocellulose membranes (BioRad, 1704159) using the Trans-Blot Turbo transfer system (Bio-Rad). Membranes were blocked with 5% BSA in Tris-buffered saline containing Tween 20 (TBST) solution for 1 hr at RT, washed in TBST, and probed with primary antibody diluted per recommended manufacturer procedures in 5% TBST and incubated while rotating overnight at 4°C. After 3 washes with TBST, the membranes were incubated in the dark with IR680- or IR800-conjugated secondary antibodies (LI-COR) at 1:10,000 dilution in 5% BSA in TBST at RT for 1 h. After 3 additional washes with TBST, blots were visualized using an Odyssey Li-Cor Clx fluorescent scanner. Antibodies used in this study were Rb to GCLM (Abcam, ab126704), Rb to GCLC (Abcam, ab190685), Ms to GAPDH (Proteintech Group Inc., 60004-1-Ig), IRDye 680RD Goat anti-Mouse (LI-COR 926-60870), and IRDye 800CW Goat anti-Rabbit (LICOR 926-32211). Band quantification was performed using ImageJ software.

2.6.13 Ferrostatin Rescue Experiments

Cells were seeded in a 96 well plate at 10,000/well in a 200 µl volume and allowed to adhere overnight. Ferrostatin-1 (Cayman chemicals, 17729) was added to the wells (2µM final) at 2µl and followed with addition of 2µl of EN25 (50µM final) or DMSO vehicle. Cells were incubated at 37°C for varying time points before proliferation was assayed by Hoechst staining.

2.6.14 Transfection of GCLM-FLAG for overexpression in HEK Cell Lines

Human GCLM with a C-terminal FLAG tag and a CMV promoter (Origene, RC207224) was transfected into a 15 cm plate of HEK 293 cells using Lipofectamine 3000 transfection reagent (ThermoFischer, 11668019). Briefly, 28 µg of plasmid and 56 µL of P3000 was mixed with 650 µL of Opti-MEM medium in one tube, and Lipofectamine 3000 reagent (43.4 µL) was diluted in 650 µL of Opti-MEM medium and incubated in a second tube for 5 minutes before addition to the first tube. The DNA-lipid complex was allowed to form for 30 min before addition of 6mL of DMEM to the tube and subsequent addition to the cells. Expression of GCLM-FLAG was evaluated by Western blot.

2.6.15 GCLM-FLAG Pulldown

HEK 293 cells expressing GCLM-FLAG were seeded into a 15 cm plate. Cells were treated at 80% confluency with either DMSO vehicle or compound (10µM) for 1 hr. Cells were harvested in PBS and lysed by sonication. Clarified lysates were incubated 1.5 hr at 4 °C with 30 µL of FLAG-agarose slurry. After incubation, samples were spun down and washed 4 times with 1 mL PBS. Proteins were eluted using 3 x 500µL washes of PBS supplemented with 800 ng/µL 3 × FLAG peptide (ApexBio A6001). Loading buffer was added to the samples and levels of protein after pulldown were evaluated via Western blot.

2.7 Author contributions

LZ, DKN conceived of the project idea, designed experiments, performed experiments, analyzed and interpreted the data, and wrote the paper. MT, XT, QS, VT, SS, MK, WI, TI designed and performed experiments and analyzed and interpreted the data. Most notably, QS, XT, VT synthesized compounds for the paper and SS, MK, WI, TI, designed, expressed, purified, and validated proteins for the paper.

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Chapter 3: Final Remarks

Many forms of cancer still lack targeted therapies that are effective and have high response rates. Even with the completion of the Human Genome Project nearly two decades ago—a huge feat that aided scientists in mapping genes related to cancer—the development of drugs against these gene products has not been as proliferative. This is in part because many of these proteins are considered “undruggable,” meaning they do not possess well-defined binding pockets, or lack functional assays amenable for HTS. However, chemoproteomics and fragment-based covalent ligand libraries have proven to overcome some of these challenges, providing more efficient pathways in drug discovery.

In this study, we used fragment cysteine-reactive-ligand screening and chemoproteomic approaches to identify new covalent inhibitors against GCL. Inhibiting GCL to reduce GSH levels has shown potential in inducing death specifically in cancer cells sensitive to oxidative stress. Here, we introduced EN25 as an acrylamide-containing cysteine-reactive ligand that covalently targets cysteine C114 on GCLM (the modifier subunit of GCL). We show that this interaction leads to the inhibition of GCL activity, resulting in reduced cellular GSH levels and a decrease in cell viability. These effects are specifically observed in ARID1A-deficient cancer cells, which are particularly sensitive to glutathione depletion, while ARID1A-positive cancer cells remain unaffected by EN25. We also conducted a small-scale structure-activity relationship (SAR) study, revealing additional covalent ligands with moderately improved binding affinity *in vitro*. Our research highlights a previously undiscovered binding site within GCLM that can be targeted to disrupt GSH synthesis in susceptible cancer cell types.

We show promise in the fragment screening approach to identify small molecules that can be built upon either for lead optimization or tool development. The fragment small molecule EN25 directed SAR studies with a more focused set of analog fragments to unveil higher potency inhibitors—an indication that larger analog libraries and medicinal chemistry efforts could further improve EN25's selectivity and affinity. The EN25-alkyne was developed as an activity-based probe, a tool for investigating GCLM in future chemoproteomic studies through biorthogonal labeling of the proteome. Meanwhile, using isoTOP-ABPP enabled the chemoproteomic profiling of EN25 off-targets, which will aid pharmacological development and mechanistic studies. In summary, this research not only opens the therapeutic door to the modification of GCL with tractable covalent ligands, but also underscores the remarkable potential of chemoproteomic and covalent fragment-ligand-based approaches in driving the future of drug discovery against cancer targets.

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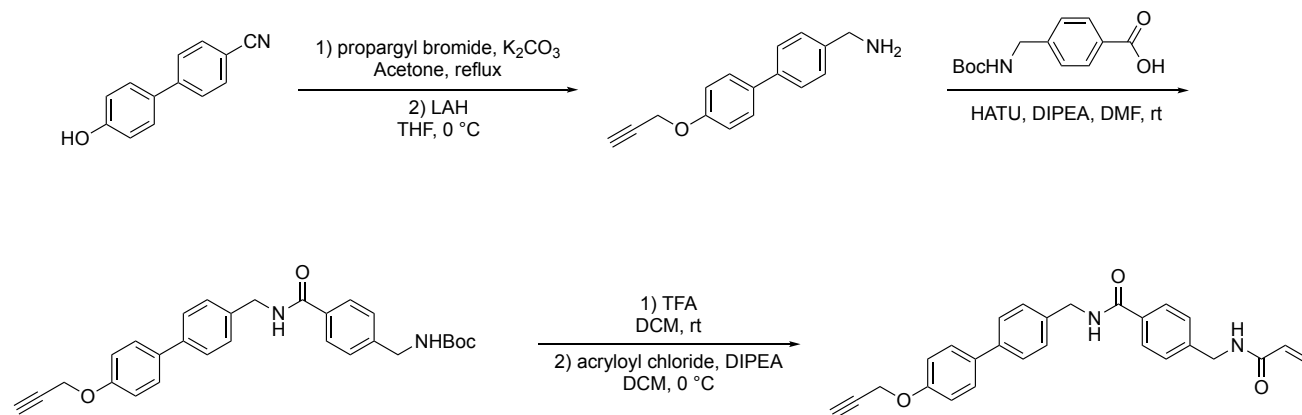
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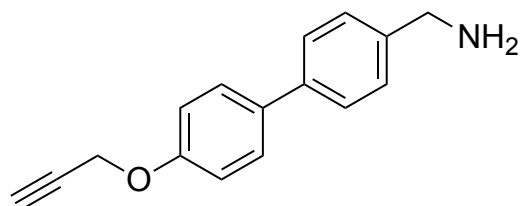
Appendices

A. Synthetic Methods and Characterization



EN-25 Alkyne probe

Procedure for the preparation of EN25 Alkyne probe:

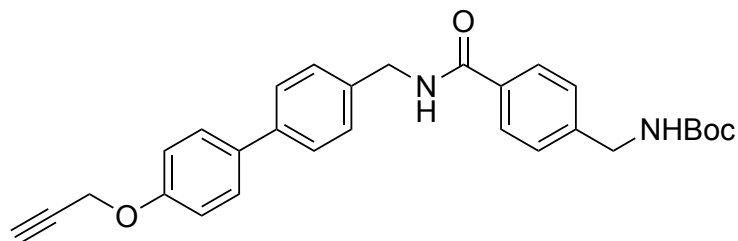


Add the phenol compound (976 mg, 1 equiv.) and K_2CO_3 (1.5 g) to acetone (6 ml) and stirred briefly. Then add propargyl bromide (0.753 ml, 2 equiv.) dropwise and heated reaction to reflux at 70 degrees. After overnight, the reaction is cooled to room temperature and quenched with water, extracted with DCM, washed with brine, then dried over $MgSO_4$. After filter and concentration, the pale-yellow solid product was recrystallized from hot EtOH. The product was concentrated under vacuum.

LAH (3 ml of 2.0 M in THF) was added slowly to the nitrile compound (700 mg) in dry THF under N_2 at 0 °C, stirred for 6 h. Then quenched with water, filtered over celite, washed with water, extracted with EtOAc, washed with brine, then dried over $MgSO_4$. After filter and concentration, the product was purified by silica gel chromatography (0-10% MeOH in DCM). Yield of two steps is 50%.

(4'-(prop-2-yn-1-yloxy)-[1,1'-biphenyl]-4-yl)methanamine

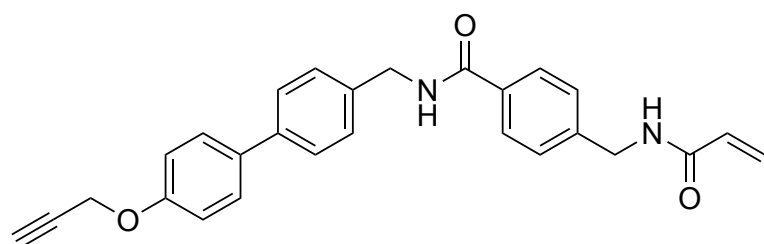
^1H NMR (500 MHz, MeOD) δ 7.62 – 7.48 (m, 4H), 7.40 (d, J = 8.3 Hz, 2H), 7.07 (d, J = 8.7 Hz, 2H), 4.77 (d, J = 2.2 Hz, 2H), 3.84 (s, 2H). ^{13}C NMR (126 MHz, MeOD) δ 157.27, 140.43, 139.33, 134.02, 127.57, 127.45, 126.34, 114.94, 55.28, 44.89. MS (ESI-TOF) Calcd for $\text{C}_{16}\text{H}_{13}\text{O}^-$ [$\text{M}-\text{NH}_2$] $^-$: 221.10; found: 221.20.



Treat the amine compound (71.2 mg) with Boc protected benzoic acid (100.52 mg) with HATU (152 mg) and DIPEA (104 μl) in DMF (6 ml), the reaction mixture was stirred overnight at room temperature. The product mixture was concentrated under vacuum and purified through column (0-20% EtOAc in DCM).

t-butyl(4-(((4'-(prop-2-yn-1-yloxy)-[1,1'-biphenyl]-4-yl)methyl)carbamoyl)benzyl) carbamate

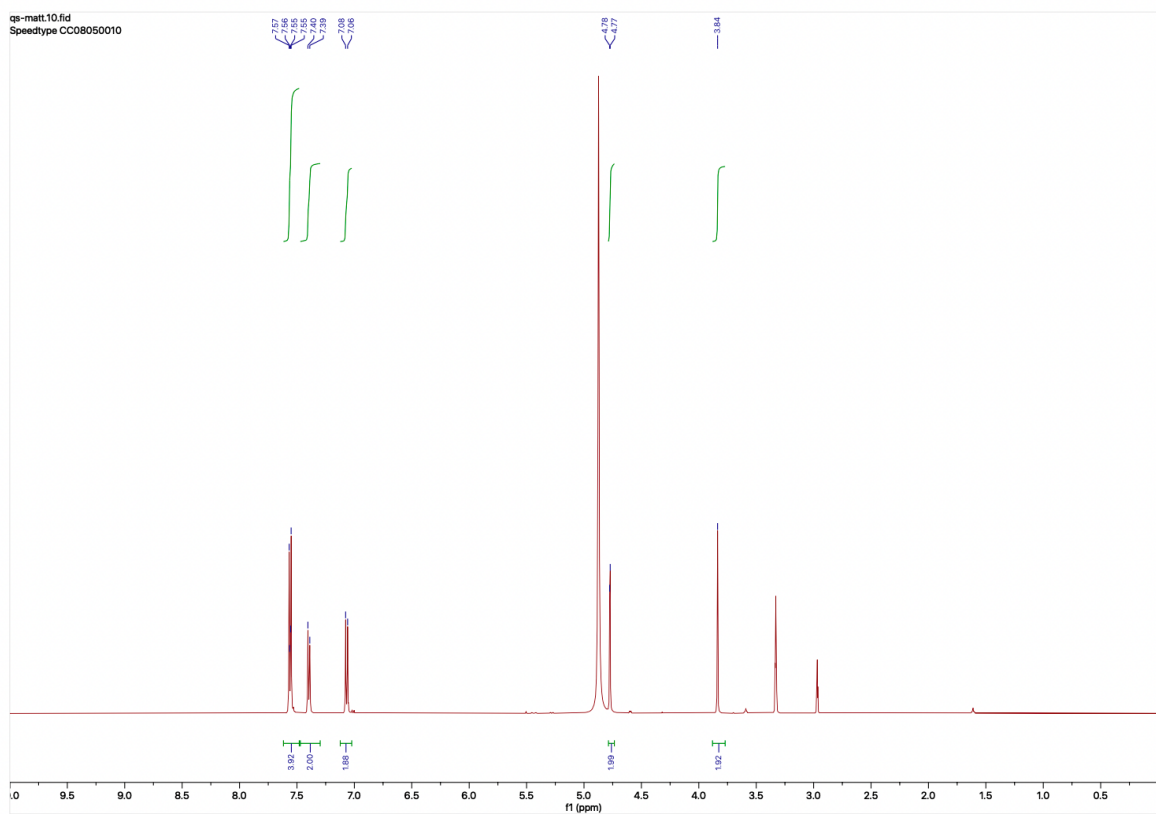
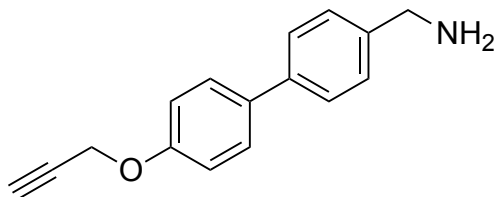
^1H NMR (600 MHz, CDCl_3) δ 7.75 (d, J = 7.9 Hz, 2H), 7.54 – 7.47 (m, 4H), 7.38 (d, J = 7.8 Hz, 2H), 7.32 (d, J = 7.9 Hz, 2H), 7.04 (d, J = 8.7 Hz, 2H), 5.00 (s, 1H), 4.72 (d, J = 2.4 Hz, 2H), 4.64 (d, J = 5.4 Hz, 2H), 4.33 (d, J = 5.9 Hz, 2H), 2.54 (s, 1H), 1.45 (s, 9H). ^{13}C NMR (151 MHz, CDCl_3) δ 167.29, 157.18, 155.99, 142.95, 139.99, 136.75, 134.11, 133.24, 128.32, 128.09, 127.41, 127.31, 127.08, 115.26, 79.78, 78.52, 75.67, 28.39, 18.51, 17.06, 12.61. HRMS (ESI-TOF) Calcd for $\text{C}_{24}\text{H}_{23}\text{N}_2\text{O}_2^+$ [$\text{M}+\text{H}-\text{Boc}$] $^+$: 371.18; found: 371.09.



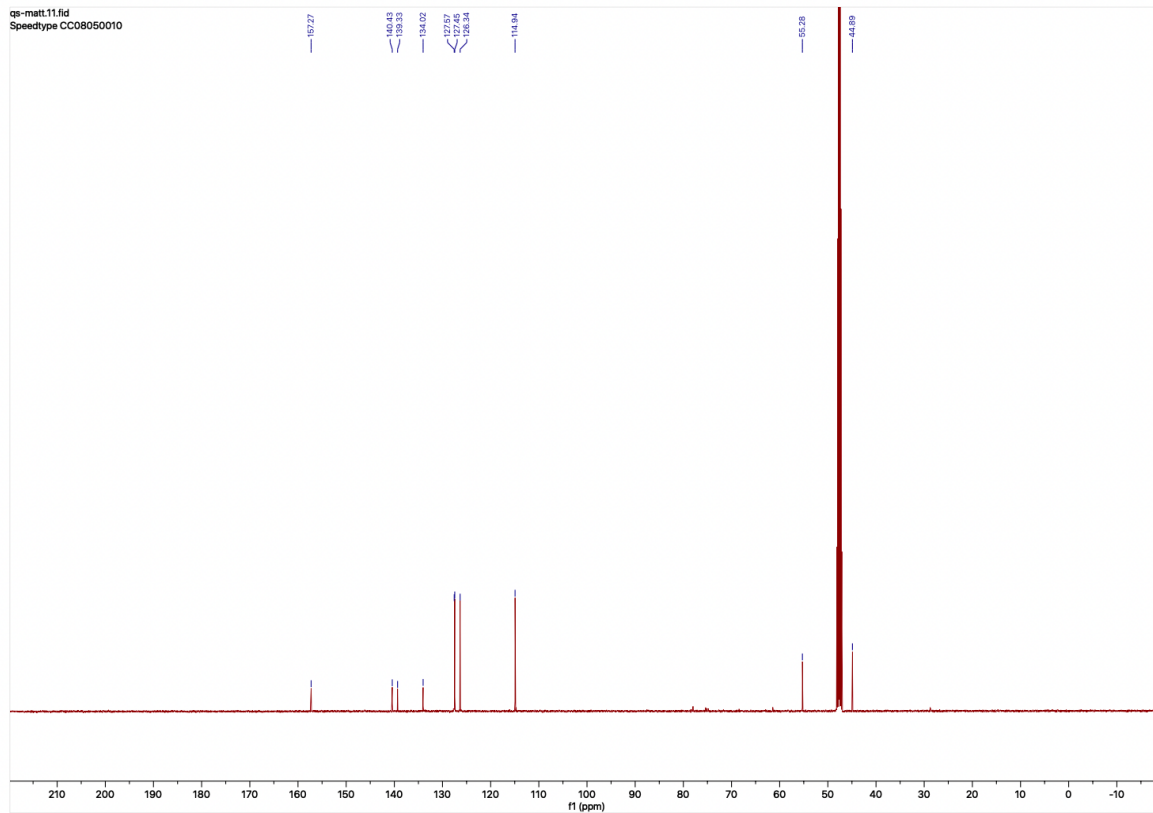
TFA (0.25 ml) was added to a vigorously stirring solution of the Boc protected alkyne compound (52 mg) in DCM (1.5 ml). The reaction mixture was stirred for 2 hours at room temperature. The product mixture was concentrated under vacuum. Then acryloyl chloride (27 μl , 3 equiv.) and DIPEA (95.3 μl , 5 equiv.) was added to the compound in DCM at 0 $^\circ\text{C}$, stirred for overnight. The product mixture was concentrated under vacuum and purified through column (0-20% EtOAc in DCM).

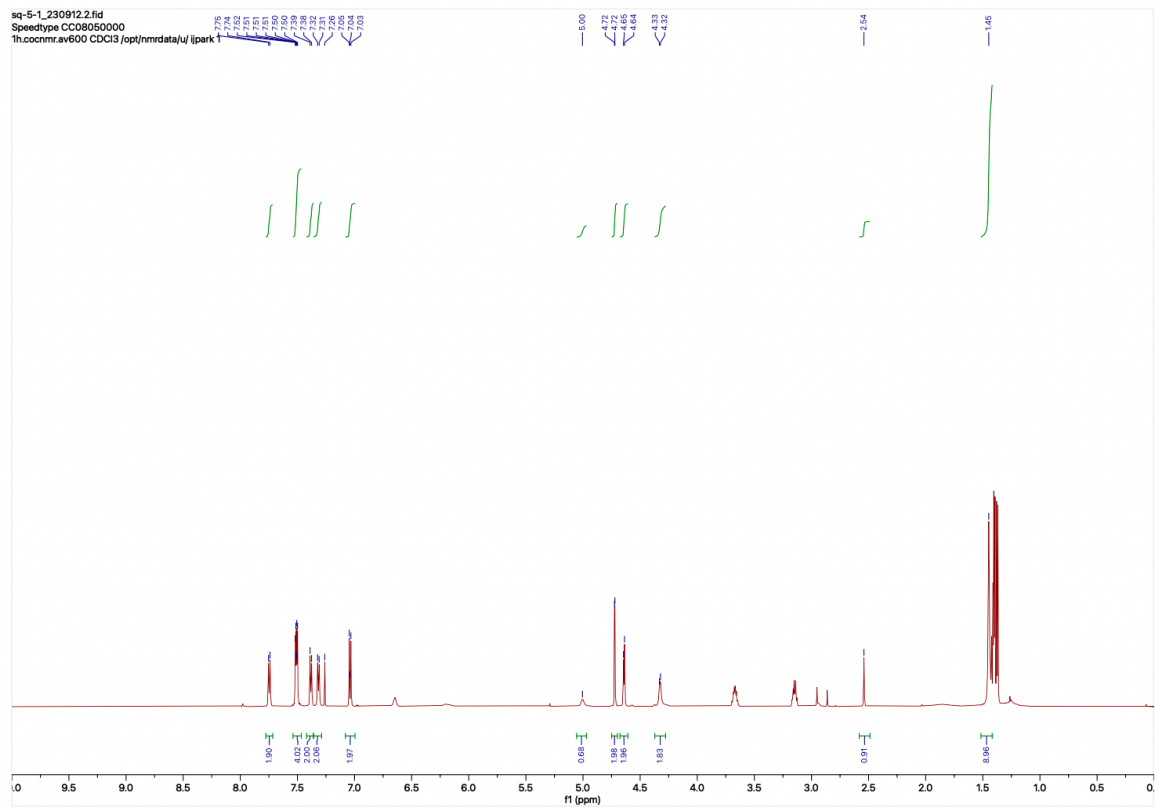
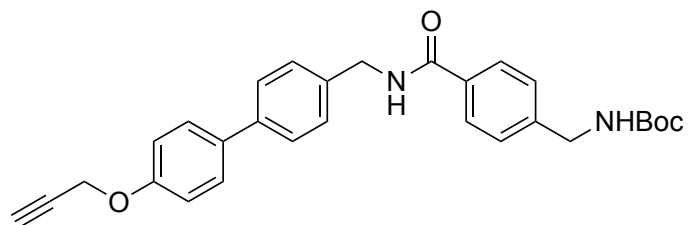
4-(acrylamidomethyl)-N-(((4'-(prop-2-yn-1-yloxy)-[1,1'-biphenyl]-4-yl)methyl)benzamide (EN25 Alkyne probe)

^1H NMR (500 MHz, DMSO) δ 9.02 (t, $J = 6.0$ Hz, 1H), 8.65 (d, $J = 6.0$ Hz, 1H), 7.87 (d, $J = 7.9$ Hz, 2H), 7.58 (t, $J = 8.3$ Hz, 4H), 7.36 (t, $J = 7.8$ Hz, 4H), 7.06 (d, $J = 8.4$ Hz, 2H), 6.29 (dd, $J = 17.1, 10.2$ Hz, 1H), 6.14 (dd, $J = 17.1, 2.2$ Hz, 1H), 5.64 (dd, $J = 10.1, 2.2$ Hz, 1H), 4.83 (s, 2H), 4.50 (d, $J = 5.9$ Hz, 2H), 4.41 (d, $J = 5.9$ Hz, 2H), 3.58 (s, 1H). ^{13}C NMR (126 MHz, DMSO) δ 166.44, 165.15, 157.21, 143.15, 138.80, 138.71, 133.57, 133.43, 132.03, 128.28, 128.08, 127.83, 127.62, 126.65, 126.06, 115.76, 79.75, 78.78, 55.93, 42.80, 42.36. HRMS (ESI-TOF) Calcd for $\text{C}_{27}\text{H}_{24}\text{N}_2\text{NaO}_3^+$ $[\text{M}+\text{Na}]^+$: 447.1679; found: 447.1683.

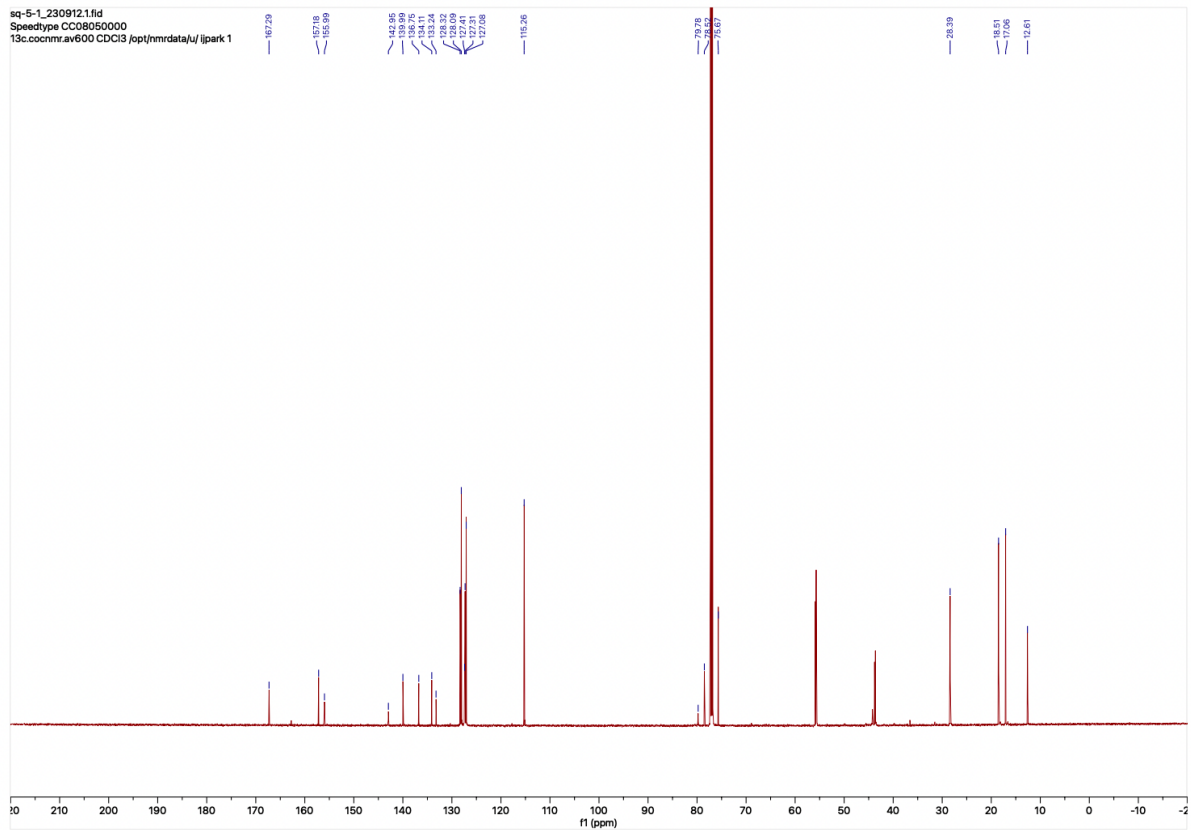


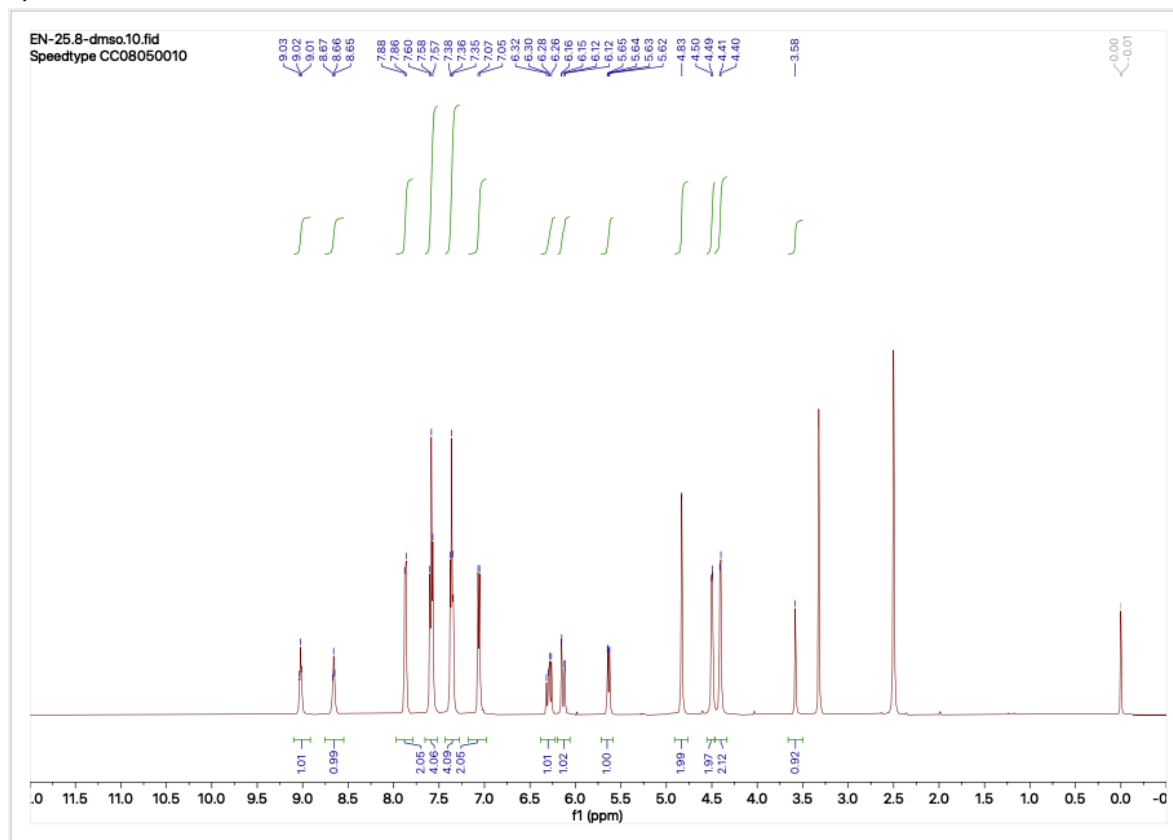
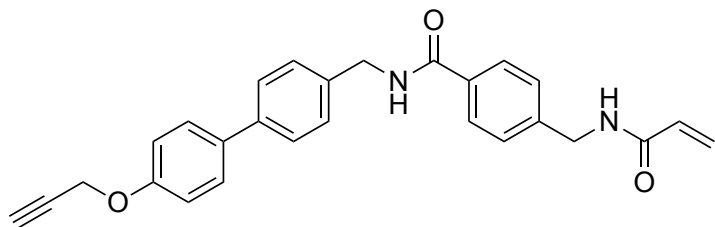
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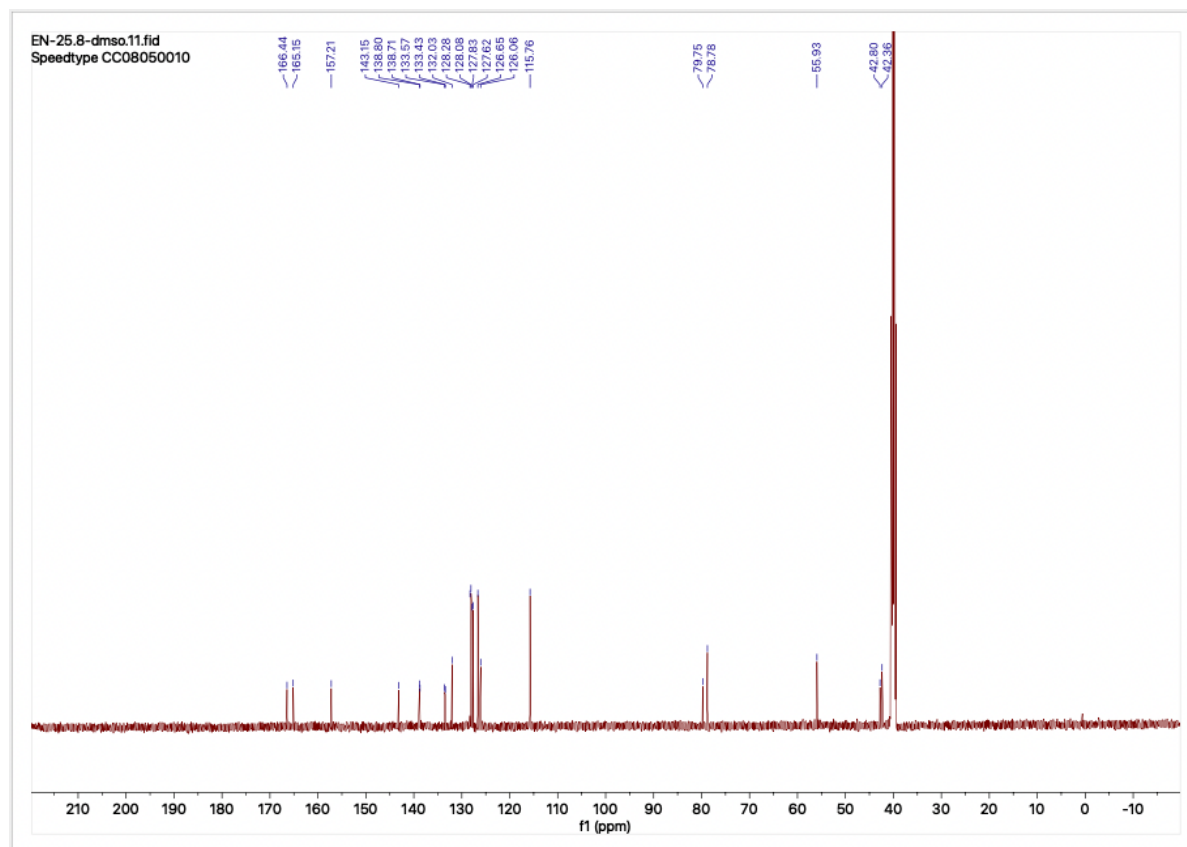




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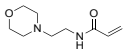
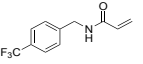
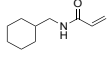

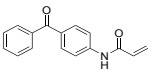
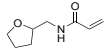

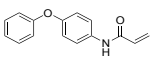
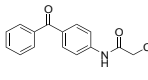
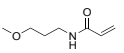
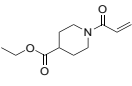
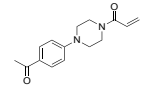
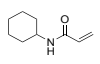
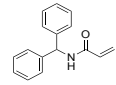
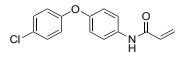
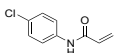
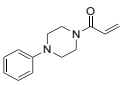
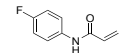
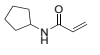
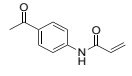
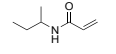
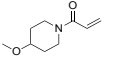
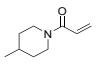
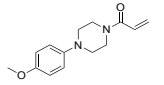
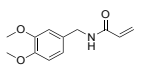
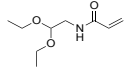
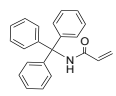
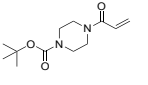
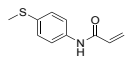
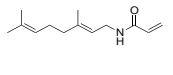
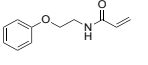
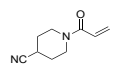
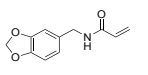
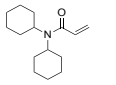
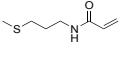
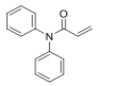




B. Supplementary Datasets

Table S1. Structures of covalent ligands screened against the GCL complex using approaches described in Figure 1a.

Compound name	Compound structure				
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DKM 2-32		DKM 2-50		DKM 2-83	
DKM 2-33		DKM 2-52		DKM 2-84	
DKM 2-34		DKM 2-58		DKM 2-85	
DKM 2-37		DKM 2-59		DKM 2-86	
DKM 2-39		DKM 2-60		DKM 2-87	
DKM 2-40		DKM 2-62		DKM 2-90	
DKM 2-42		DKM 2-67		DKM 2-91	
DKM 2-43		DKM 2-71		DKM 2-93	
DKM 2-47		DKM 2-72		DKM 2-94	
DKM 2-48		DKM 2-76		DKM 2-95	 (Two rotamers in equal amounts)
		DKM 2-79		DKM 2-97	

DKM 2-100		DKM 2-116		DKM 3-13	
DKM 2-101		DKM 2-117		DKM 3-15	
DKM 2-102		DKM 2-119		DKM 3-22	
DKM 2-103		DKM 2-120		DKM 3-29	
DKM 2-106		DKM 3-4		DKM 3-30	
DKM 2-107		DKM 3-5		DKM 3-31	
DKM 2-108		DKM 3-7		DKM 3-32	
DKM 2-109		DKM 3-8		DKM 3-36	
DKM 2-110		DKM 3-9		DKM 3-41	
DKM 2-111		DKM 3-10		DKM 3-42	
DKM 2-113		DKM 3-11		DKM 3-43	
DKM 2-114		DKM 3-12		DKM 3-70	

EN-1		EN-17		EN-29	
EN-2		EN-18		EN-30	
EN-3		EN-19		EN-32	
EN-4		EN-20		EN-45	
EN-6		EN-21		EN-46	
EN-7		EN-22		EN-47	
EN-8		EN-23		EN-48	
EN-9		EN-24		EN-49	
EN-10		EN-25		EN-50	
EN-12		EN-26		EN-51	
EN-13		EN-27		EN-52	
EN-14		EN-28		EN-53	

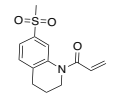
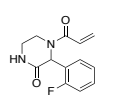
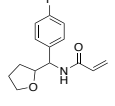
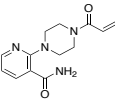
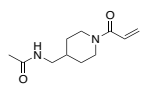
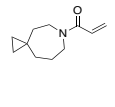
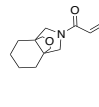
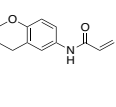
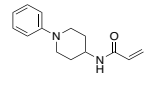
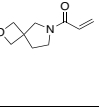
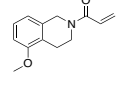
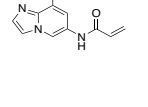
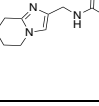
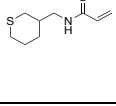
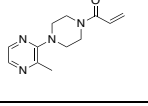
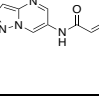
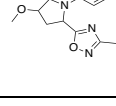
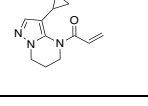
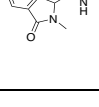
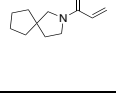
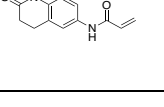
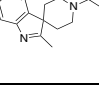
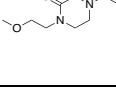
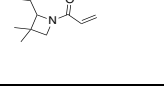
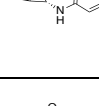
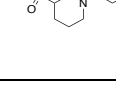
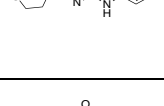
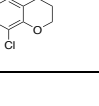
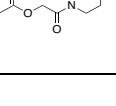
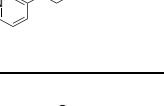
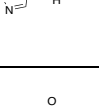
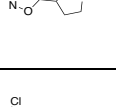
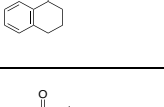
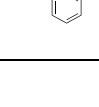
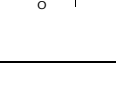
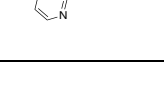
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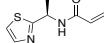

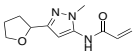
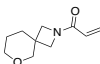
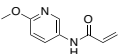
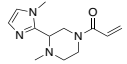
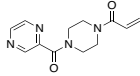
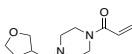
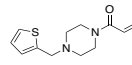
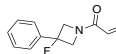
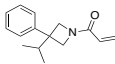
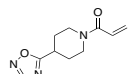
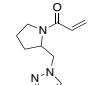
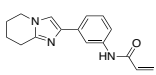
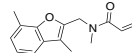
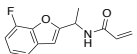
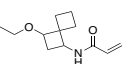
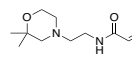
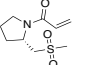
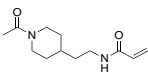
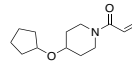
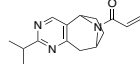
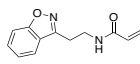
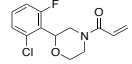
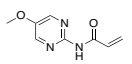
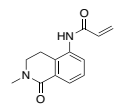
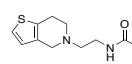


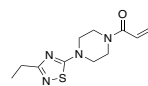
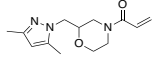
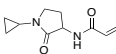
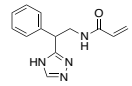
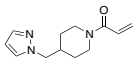

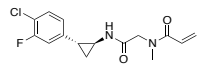
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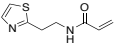
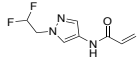
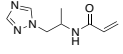
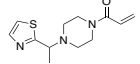
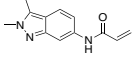
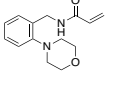
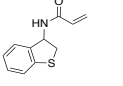
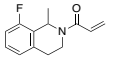
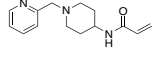
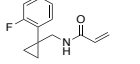
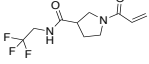
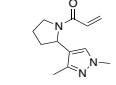
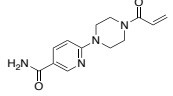
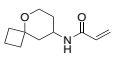
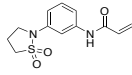
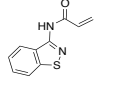
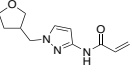
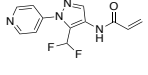
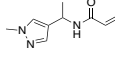

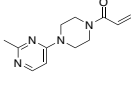
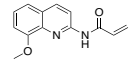
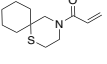
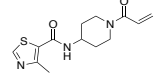
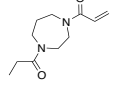
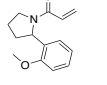
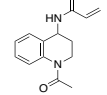
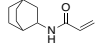
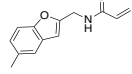
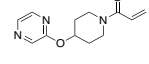
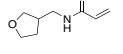
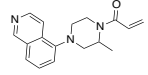
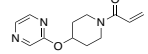
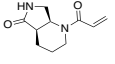
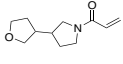
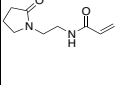
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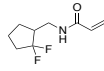
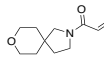
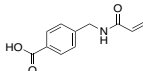
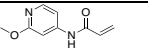
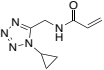

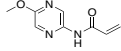

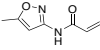
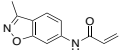
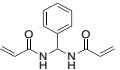
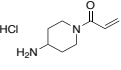
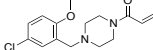
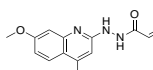


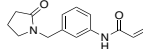
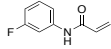
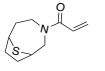
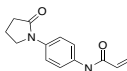
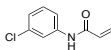
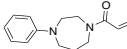
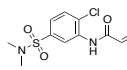

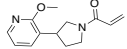
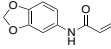
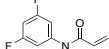

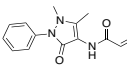
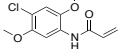


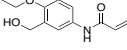
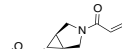
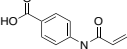
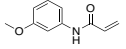
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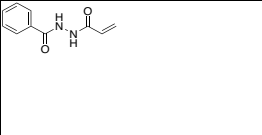
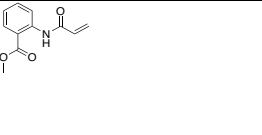
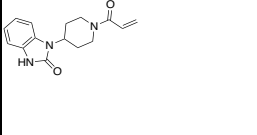
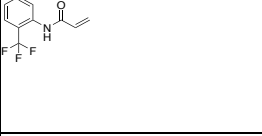
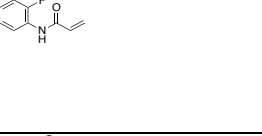
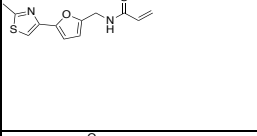
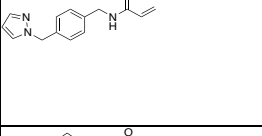
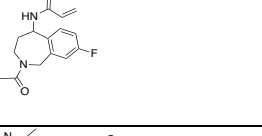
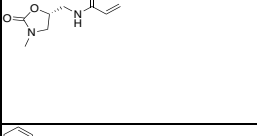
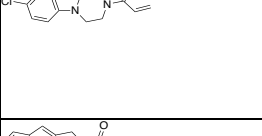
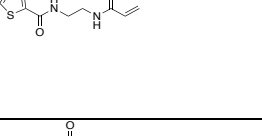
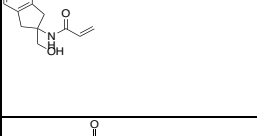
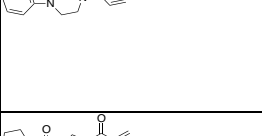
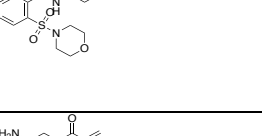
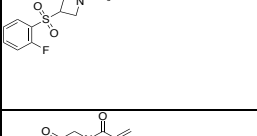
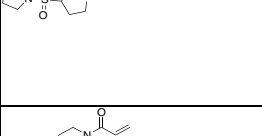
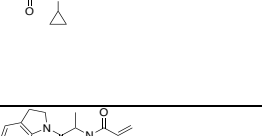
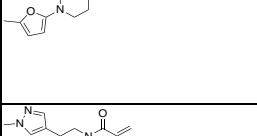
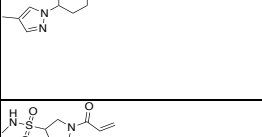
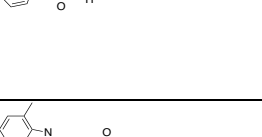
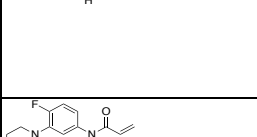
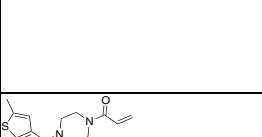
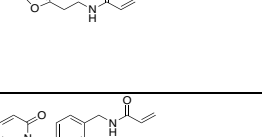
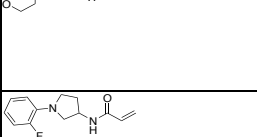
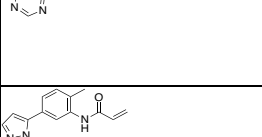
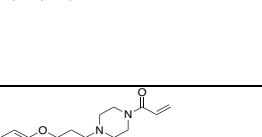

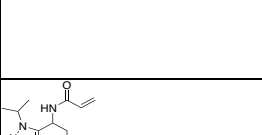
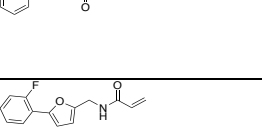
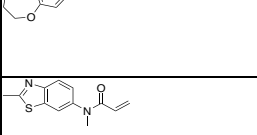
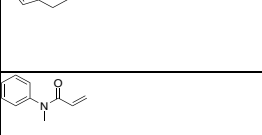
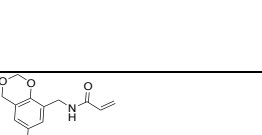
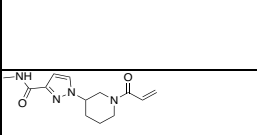
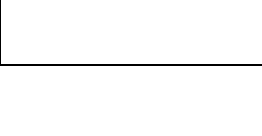
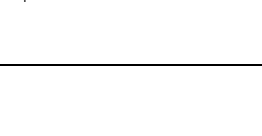
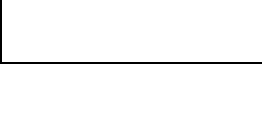
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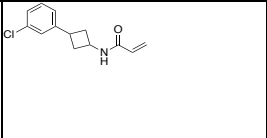
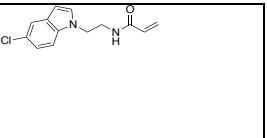
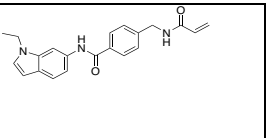
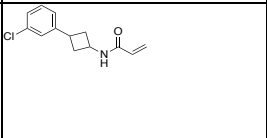
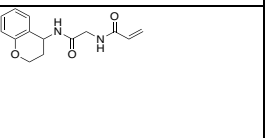
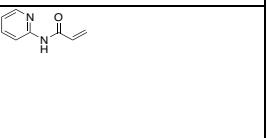
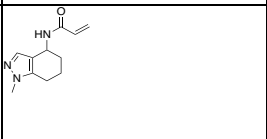
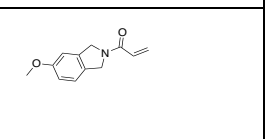
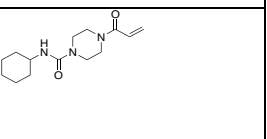
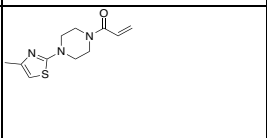
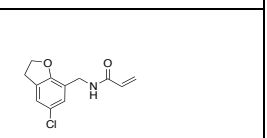
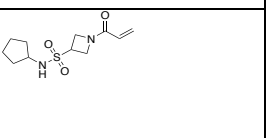
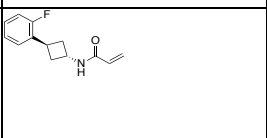
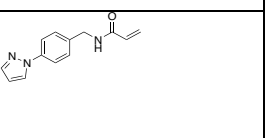
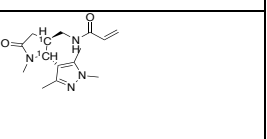
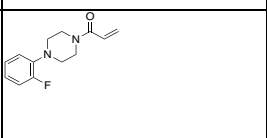
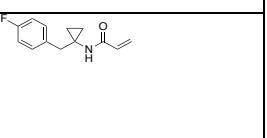
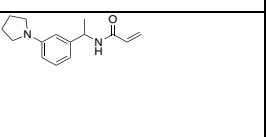
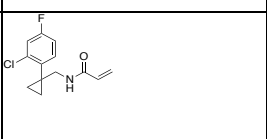
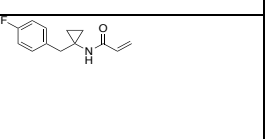
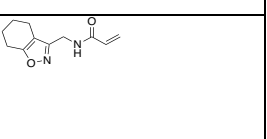
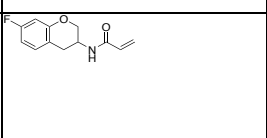
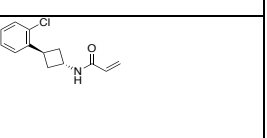
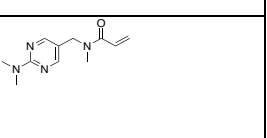
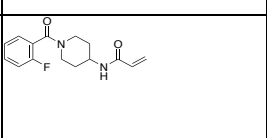
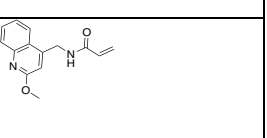
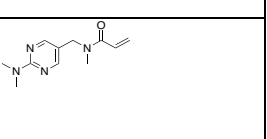
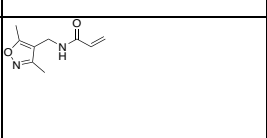
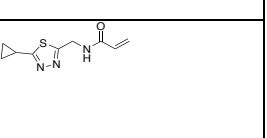
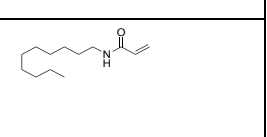
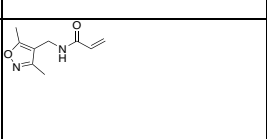
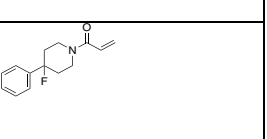
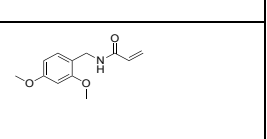
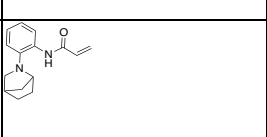
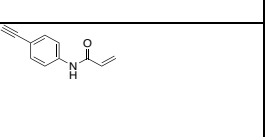
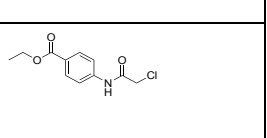
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EN-399		EN-411		EN-423	
EN-400		EN-412		EN-424	
EN-401		EN-413		EN-425	
EN-402		EN-414		EN-426	
EN-403		EN-415		EN-427	
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EN-405		EN-417		EN-429	
EN-406		EN-418		EN-430	


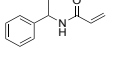
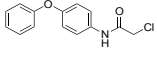

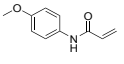
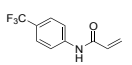
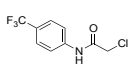

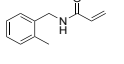
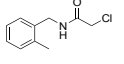


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EN-434		EN-446		EN-459	
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EN-436		EN-448		EN-461	
EN-437		EN-449		EN-462	
EN-438		EN-450		EN-463	
EN-439		EN-452		EN-464	
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

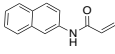

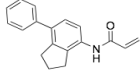
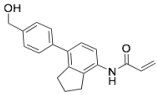
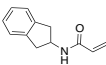
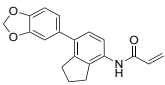




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EN-459		EN-471		EN-483	
EN-460		EN-472		EN-484	
EN-461		EN-473		EN-485	
EN-462		EN-474		EN-486	
EN-463		EN-475		EN-487	
EN-464		EN-476		EN-488	
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
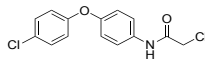
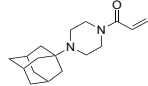
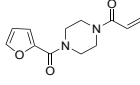


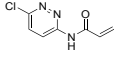

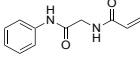



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EN-498		EN-511		EN-523	
EN-499		EN-512		EN-524	
EN-500		EN-513		EN-525	
EN-501		EN-514		EN-526	
EN-502		EN-515		EN-527	
EN-503		EN-516		EN-528	
EN-504		EN-517		EN-529	

EN-530		EN-542		EN-554	
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EN-532		EN-544		EN-556	
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EN-541		EN-553		EN-565	

EN-566		EN-578		EN-590	
EN-567		EN-579		EN-591	
EN-568		EN-580		EN-592	
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EN-570		EN-582		EN-594	
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EN-574		EN-586		EN-597	
EN-575		EN-587		TRH 1-12	
EN-576		EN-588		TRH 1-13	
EN-577		EN-589		TRH 1-17	

TRH 1-19	
TRH 1-20	
TRH 1-23	
TRH 1-27	
TRH 1-32	
TRH 1-50	
TRH 1-51	
TRH 1-53	
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TRH 1-55	
TRH 1-56	
TRH 1-57	

TRH 1-58	
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TRH 1-60	
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TRH 1-74	
TRH 1-78	
TRH 1-115	
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TRH 1-133	
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TRH 1-135	
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TRH 1-156	
TRH 1-160	
TRH 1-162	
TRH 1-167	
TRH 1-168	

TRH 1-170		YP 1-22		YP 1-44	
TRH 1-171		YP 1-23		YP1-19	
TRH 1-176		YP 1-24			
TRH 1-177		YP 1-25			
TRH 1-178		YP 1-26			
TRH 1-179		YP 1-31			
TRH 1-189		YP 1-36			
TRH 1-191		YP 1-37			
TRH 1-194		YP 1-38			
YP 1-1		YP 1-39			
YP 1-16		YP 1-40			
YP 1-18		YP 1-42			

Table S2. isoTOP-ABPP data of EN25 (50µM) in A2780 cancer cells *in situ*.

Peptide Modified	Fold change ratio	Site of Modification	Gene
GFGFVITYSC*VEEVDAAMCAR	72.775	C63 C85 C63 C85 C63 C85 C63 C85 ,C63 C85 C63 C85 C63 C85 ,C63 C85	HNRNPA3
EYTEENIQLVADGCC*NLQK	13.276	C779 C780 C714	MTHFD1L
C*PGESLINPGFK	7.910	C180 C180 ,C180	C9orf142
C*GLPEIFDPPEELER	5.532	C18 C16 C18 C18 C5	SIRT6
GC*TPSGEGADSEPR	4.527	C137	GPKOW
ELEPEMEFEIPEDKC*K	4.166	C306 C439	PNN
GPKGSDC*GIVNVNIPTSGAEIGGAFGGEK	4.073	C478 C450	ALDH7A1
GC*FSDLIDLIDNLGPAMMLSDR	4.062	C515 C470	NUP85
LC*QIFSDLNATYR	4.046	C623 C624 C623 C623 C624 C623 ,C623 C215 C624 C623	U2SURP
KSEYTQPTPIQC*QGVVVALSGR	3.710	C281 C162 C162	DDX42
EHINLGC*DMDFDIAGPSIR	3.580	C127	VDAC1
EANTLNLAPYDAC*WNACR	3.332	C281 C102 C281 C281	EIF2B3
LNHLSSSEDGC*STEITCETFNDFVR	3.208	C90 C90 C90 C90 C90 C90 ,C90 ,C90 C90	ORC5
LIQFC*AIDELGTNYPK	3.185	C189 C61 C172 C172 C61 C156 C156	SAP30BP
ADVSFVLFFDC*NNEIC*IER	3.067	C122,C127 ,C122,C127 C122,C127	CMPK1
ENFSLDWC*K	3.034	C117	DTYMK
GIGM+NEPLVDC*EGYPR	2.942	M52,C59 M52,C59 M52,C59 M52,C59 M52,C59 M52,C59	PSMD9
GGSCSQAACSNSAQGSDESLITC*KA	2.916	C364 C364 C370 C370	HLA
IATPFQVYSWTAPQAEHAMDC*VR	2.873	C371 C333 C274 C371 C333 C274	CLUH
YSSC*STIFLDDSTVSQPNLR	2.760	C123 C53	CCNYL1
YC*PNSVLVIIDVKPK	2.751	C116	PSMD7
KIIEENITSAAPSNDQDGEYC*PEVK	2.737	C320 C331	SRPK2
KAAAPAPEEEM+DEC*EQALAAEPK	2.708	M313,C316 M263,C266	EEF1G
LKNCGC*LGASPNIQLQEENLK	2.542	C34	RARS
ADVQATGDAIC*IFR	2.525	C103 C200	SSRP1
ASNLEGESNSSETPSTSTVWGGTC*K	2.492	C165	SRBD1
GAC*SSSGATSSK	2.478	C212 C212	KIN
LGYILTC*PSNLGTGLR	2.450	C347 C316 C347 C316 C283 C283 ,C283 C347 C316 ,C283 C283 C347 C316 C347 C316	CKMT1A,CKB
GFC*FLEYEDHK	2.416	C289 C289 C289 C289 C292 C295 ,C289 C289 C292 C295	HNRNPR,SYN CRIP
HCFSC*TDGYVLVYSTDSR	2.359	C78 C78 C76	NKIRAS2
HMLLLAIQEC*SEGFGLA	2.323	C4351 C4358 C4367	HUWE1
LTVVDTPGYGDAINC*RDC*FK	2.307	C71,C74 C146,C149 C111,C114	SEPT2
LAWGLC*FLSDPISKDDVER	2.303	C217 C217 C171	TRABD
IITIPATQLAQC*QLQTK	2.281	C381 C398 C470 C410 C458 C381 C398 C470 C410 C458 ,C381 C398 C470 C410 C458	ELF2
AVESVDSSEESFSDSDDSC*LWK	2.263	C78	PHAX

GSEDLFSTC*VTNGPFIM+SSNSASAANGND SK	2.254	C23,M31 C23,M31 C23,M31 C23,M31 ,C23,M31 C23,M31 ,C23,M31	PTBP1
M+LSAVSQVQC*IQEALR	2.230	M1967,C1977	DYNC1H1
KGGPGVALSVGTLPLDSGAGSESGTATP SALITTNMVAMEAIC*PEGIAR	2.228	C755 C748	SP1
GLNDFQC*WEK	2.205	C110 C188 C227	GINS3
DNDFSYPNPMIC*NFLHENEDEEVVASAPDK	2.173	C141	GTF3C6
KYSSC*STIFLDDSTVSQPNLR	2.171	C123 C53 C56 ,C123 C53	CCNYL1
EGIVEC*NGGVAEEDEVEVILAQEPAAQEV PR	2.163	C267 C267 C267 C267 C267 C267	EIF4ENIF1
QFVDWC*PTGFK	2.153	C347 C347 C347 C347 C347 C347 C371 C281 C354 C314 , C347 C417 C231 C347 C332 C347 C347 C371 C281 C354 C314	TUBA8,TUBA1 A,TUBA1C,TU BA3C,TUBAL3 ,TUBA4A,TUB A1B
FSAIQC*AAAVPR	2.146	C137 C98 C98 C98 C98 C31	POLD3
GTDIMYTGTLDC*WR	2.141	C257	SLC25A5
LLQLETQGNQSC*YNYLYR	2.130	C63 C97 C97 C63	C1orf43
GEVPC*TVTSASPLEEATLSELK	2.122	C141	ATP50
KAEGDLGPSWVC*GFSNLESQVLEK	2.093	C184	TBCC
ETCLITFLLAGIEC*PR	2.086	C560 C109 C560 C109	SND1
HLYTLDDGGDIINALC*FSPNR	2.072	C240 ,C240 C240	RACK1
C*PSILGGLAPEKDQPK	2.071	C624 C624 C624 ,C624 C624	CNOT1
GIQYIDLSSDSEDVSPNC*SNTVQEK	2.065	C106 C106	SMARCAD1
KDSEDNPQTLFSATC*PHWVFNVAK	2.063	C310 C378	DDX21
AFVNPFPDYEAAGALLASGAAEETGC*VR PPATTDEPGLPFHQDGK	2.052	C49	LANCL2
LSC*QPM+LSLDDFQLQPPVTFR	2.020	C105,M108	NPM3
AAPKPAASGAC*SVSAEETEK	2.013	C15	ADAT2
GFGFVC*FSSPEEATK	2.003	C339 C339 C339 ,C314 C339 C339 C339 C339 C339	PABPC4,PAB PC1L,PABPC1
NMGLSPPASSTSTSSTC*R	2.003	C142	CBX8
AVGDGILC*NTYIDSYK	3.230	C264 C275	PDCD4
AFC*ASSGSDSGSSSSSSSINSADR	12.048	C127 C16 C60	FAM104A
LHYGDLTDSTC*LVK	2.344	C62 C92	GMDS
C*SPIGVYTSVK	17.384	C354 C397 ,C397	MCM5
IC*QADIVEAVDIASAAK	3.446	C107 C107 C172 C107 ,C172	WDR46
QLPDC*IVGEDGLILPLGR	2.013	C659 C567 C630 C596 C669 C698 C705	SMPD4
TILTLTGVTSLGDVKNQESDC*VSK	2.819	C297	PGP
LDLVGSSQPIKESNSLC*PAGIR	4.260	C1362	USP24
GYGC*AGVSSVAYGLLAR	2.104	C115	GCDH
EKLC*YVALDFEQEMATAASSSSLEK	2.123	C217 C217 C917 ,C217 C217 C217 C917 C917 C917 ,C217 C217 C217 C217 C217 C217 C917 C917 C917	ACTG1,ACTB, POTEE
GALVTVGQLSC*YDQAK	2.180	C181 C181 C336	SLC25A10
SEAGHASSPDSEVTSVC*QK	2.223	C607	ZCCHC8
SC*YNDLPSNVVYCSGPDGCLGNDNAVK	5.279	C564	CHM

EPSVPASC*AVSATYER	2.261	C156 C590 ,C66 C156 C590	LARP4B
SQAC*GGNLGSIEELR	9.587	C394 C300 C363 C382 ,C394 C363 C382	STK24
INFYC*PGSALGR	15.135	C574	SUPT16H
LLGITPVC*R	2.097	C576	RARS2
LC*PQFLQLASANTAR	4.839	C264 C264 C264	STAMPB
GKDLQENYC*R	2.396	C172 C177	HGF
FIVTLDGVPSPPGYMSDQEEDMC*FEGMKP VNQTAASNK	2.033	C540 C540 C515 C540 C456	ZC3H14
PAEPGPC*LSGQR	5.342	C17 C17 ,C17	ISPD
QIC*SCDGLTIWEER	2.100	C244 C225	CCS
IYHCNINSQGVIC*LDILK	2.046	C131 C98 C98 C89 C131 C145 C139 C145 ,C131 C98 C89	UBE2E1,UBE2 E3,UBE2E2
AAAGYAAC*LLPGAGARPEVEALDASLEDL LTR	9.480	C71	BLOC1S4
HANSSTGQPC*VENENLTDLISR	2.519	C525 C470 C419 C435 C454 C430	LIN9
VQSLPSVPLSC*AAYR	2.031	C412 ,C88 C412 C78	PNPLA2
DNTIEHLLPLFLAQLKDEC*PEVR	5.283	C377 C377 ,C377 ,C198 C377	PPP2R1A
TSC*GSPNYAAPEVISGR	4.291	C185 C200	PRKAA1
SAQGC*DLLQNLQNITQGAK	2.428	C302	NOCT
ANEDAVPLC*MSADFPR	5.161	C171	FTO
SEGEAMEIC*SEPVAASPAPAGER	2.241	C207 C142 C207	ZNF511,PRAP 1
AGNAALGLGGPWQSPAAQC*DQK	2.124	C173 C211	DGCR6L
C*WAATTTEGLLIYSLDTR	4.569	C716 C716 C716 C716 ,C716 C716	LOC10272415 9,PWP2
LALFNPDVC*WDRNNPEPWNK	2.517	C44	NDUFA4
ATC*IGNNSAAAVSMLK	2.062	C163 C163 C163 C132 ,C163 C163 C163 C163	PSMA4
NGFEAVEAECSAGC*R	10.476	C19 C19 C19	ZCCHC4
YYRPTVEVDFLQGDC*TK	2.737	C306 C336	GMDS
NSNVDSYLESYQSC*PR	4.948	C645 C767 ,C645	ZC3HAV1
HLAEYTHVEAEC*PFLTFDDLLNR	2.973	C342	NARS
GNIDGNVSC*SENLVANTAR	2.411	C1543 C1631	PHF3
HQGAGDPHTSNSASLQGIDSQC*VNPQEQL VSSAPTLSAFEK	2.322	C253	NHEJ1
ATLQAALC*LENFSSQVVER	3.420	C21 C21 C21 C40 C21 C21 C21 C21 C21	ARPC4
ALIERPSQNNIGIQTMEC*SLR	2.390	C1164 ,C1159 C1164	TP53BP1
VANC*SLGTATIISENLNNEVMMK	2.006	C521 C558 C410 C410 C1192 ,C558 C410 C410 C1192	RAB11FIP1
TDTDLYEFAKC*K	9.978	C198 C123 C23 C279 C249	PPWD1
C*QENGQELSPIALEPGPEPHR	2.227	C217 C217 C207 ,C217 C14 C217 C154 C202 C202 C207 C154	USP19
AVLFC*LSEDKK	2.245	C22 C39 C77 ,C22 C39 C77 C22 C39 C77	CFL1
EVQPDVWVVELC*QYR	2.016	C108 C108 C62 C108 C108 C62	TRABD
DLLPSGSRDEPPASQSTSQDC*SQALK	9.240	C1840 C1899 ,C1840 C777 C1899	MIA3

EQELFFFHELSPGSC*FLLPR	2.494	C322	TARS2
KSPMLC*GQYPVK	2.215	C270 C223 C288 C194 C288	NFAT5
YFGFDLSESEDEDDDC*QVER	2.496	C554 C512 C469	WAPL
GADYMDC*LYR	2.958	C116 C122 C103 ,C116 C122 C103 C103	CUL2
ERTPC*AETPAEPVDWAFQR	2.108	C618 C618 C609	KIF1A
IVELAQLGIRPC*DISR	2.310	C40 C134 C110 C110 C134	PAX1,PAX9
LYLDELEGGGNGPASC*K	2.545	C400 C408 C353	GOPC
FC*DSPTSLEMR	2.362	C356	ZNF609
AVQVDDQFC*K	3.391	C164 C168	SIKE1
GC*MEEKPQEVQTSR	4.763	C574	SIRT1
SKPESNEQVLSC*EYITLNEPK	2.125	C331 ,C331 C331	TRUB1
AC*ASPSAQVEGSPVAGSDGSQPAVK	2.100	C249	LRWD1
GFC*HLCDGQEACCVGLEAGINPTDHLITAY R	2.091	C91 C129	PDHA1
IDTHNIIVNQLVFPDPEKPC*K	4.260	C272 C289	ASNA1
HVNTNPLC*DLTPIFK	2.234	C181 C153	NUP50
YC*VHYLEDVGSFEYTR	2.508	C193 C247	GGPS1
IHEC*QWVVEDAPNPVLLSHK	2.199	C891	FAM129A
GFGFVTYSCVEEVDAAMC*AR	3.011	C72 C94 C72 C94 ,C72 C94 C72 C94 C72 C94	HNRNPA3
DLMANATC*FR	2.163	C2133 C2452	SON
TIAEC*LADELINAAK	3.207	C193 C172 C102 C172 ,C193 C172 C172	RPS5
AANC*IMEVSC*GQAESSEKPNADMSTK	5.295	C9,C15	PRMT1
EEAPQWLES DSC*QK	2.041	C287	WDFY1
SSC*STPLSQANR	6.561	C768 C743 C767	EIF4ENIF1
SKFDNLYGC*R	2.091	C167 C195	AHCY
ATNLC*FAER	2.180	C969	SYMPK
LVVDNGSGMC*K	4.323	C17 C18 ,C17	ACTB,ACTBL2
VISTDLSIADC*LLPITSR	5.209	C474 C585	NUP188
GGNAVVDGC*GK	2.003	C463 C501	GCLC
C*ADIDVETPDSILVNTNLR	7.748	C6 C238 C266	ASXL2
SISYQISTNC*SR	2.057	C39 C74 C74	FAM206A
GGIGAGLGGGLC*R	2.259	C25 C25	KCTD5
AVEEYSC*EFGSAK	5.094	C56	SLC25A3
EPDKGC*IEPGPGHWGELSR	6.475	C17	CCDC97
FM+TPVIQDNPSGWGPC*AVPEQFR	14.431	M5,C19 M5,C19 M5,C19	EIF3D
VGAPTIPDSC*LPLGMSQEDNQLK	2.997	C338 C349 C274 ,C349 C338	CLP1
IGLAVC*YDMR	2.823	C203 C188 C220 C203 C167 ,C188 C220 C203 C167	NIT1
FGEVTSASNC*TDFQSR	2.429	C425 C427 C425	SARS2
LLEETGIC*VVPGSGFGQR	2.390	C477 C377 C477 C377 ,C377 C477 C450 ,C477 C377	GPT,GPT2
HPSIIFIDELDALC*PK	4.358	C459 C459 C459	SPATA5
ADLVISHAGAGSC*LETLEK	2.195	C98 C86 C86 C86 C86 C86	ALG13
HSDSYFPPPLGC*GAVGGPVLEALAK	3.744	C175	ZNF592
C*GLSNSTLNLYR	2.042	C197 C197 C233	LDB1
YATSCYSCC*PR	2.057	C144 C144 C144 C66 C173	COASY
ACVPGC*PAAEPSASFLR	2.232	C1374 C1375 C1400	SBF1

GVSTLC*EEHVEPETTL PARR	2.418	C78	KNOP1
FSTQGM+GTFNPADYS DSTSTDVC*GTK	2.136	M191,C208 ,M191,C208 M68,C85	UBAP2
LLNNC*LLSCTMQELIGLYVTMEEYFMR	2.185	C407 C334 C411 C411 ,C407 C334 C411 C411 C407 C334 C411 C411	COG4
GFEVYLAEMSADNQT C*GKR	3.086	C1772 C1967 C1520 C376 C1261 C1772	YLPM1
INALTAASEAAC*LIVSVDETIKNPR	2.736	C511 C511 ,C511	CCT7
IAIWTTEC*ENR	2.117	C190 C201 C198 C170	EIF4E
EFCENLSADC*R	5.476	C138 C317 ,C317	PPP2R1A
SM+VSPVPSPGTISVPNSC*PASPR	2.042	M237,C254	FOXK1
ASDHGWVC*DQR	3.227	C309	RNMTL1
AAALEAC*LDVTK	2.183	C171 C117 C117	NSRP1,CCDC 55
FILMDC*MEGR	4.380	C76 C76	LAMTOR2
ALAGC*DFLTISPK	2.007	C250 C250	TALDO1
IVTISDPNNA GC*SATMVA VPAGADPSTVAK	3.357	C1400 C1549 C1549 C1159 ,C1549 C1549	ARID2
SGDVYSF SVLEPHGC*GR	10.174	C137 C137	WDR4
EQDFFFELDAMDHLQ SFIADC*DRR	3.531	C97	LUC7L2
WC*EYGLTFTEK	2.364	C76 C76 C76 C76 C91 C91 ,C76 C76 ,C76 C76 C76 C76 C76 C76	VDAC2
SKLNILQEGHAQC*LEAVR	2.969	C146 C230 ,C110 C146 C230 C91 C97 C214	ANKRD54
LC*PPPEETYALHR	2.750	C479	ADCK4
C*LEELVFGDVENDE DALLRR	3.234	C90	UTP18
IEIANALC*LTER	2.029	C179 ,C193 C179 C97	HOXC6,HOXA 6
AQELAQP GDLC*K	2.686	C475	DUS2
C*HGVSVALR	2.437	C757 C769 C748	PARP10
AVSTGVQAGIPMPC*FTTALS FYDGYR	2.928	C409 C422	PGD
AADEPQLLHGAGIC*K	2.227	C44	LIN28A
SRDLLVQQASQC*LSK	2.538	C518 C518	HNRNPUL2
GGGAAEAAQ QPSVYVYSC*DPYTLAYYGY P YNALIGPNR	7.203	C349 C349 C349 C311	RBM47
FQYENSHGSSEC*IK	2.184	C524 C683 C519	ARHGAP28
SESTD SLGGLSPSEVTAIQC*K	2.056	C439	MCM3AP
V MEMFQPSAVVLQC*GSDSLSGDR	4.444	C261	HDAC1
GDAC*EGDSGGPFVMK	2.236	C564 C525	F2
AC*FCIDNEALYDICFR	14.864	C199	TUBB1
QGAESDQAEP IIC*SSGAEAPANSLPSKVPT TLMPVNTVALK	2.220	C283	MAVS
AGIIC*QLNAR	2.893	C605	MCM4
DCAVKPC*QSDEVPDGIK	5.096	C104	ERO1A
AC*INTLQFLYSR	2.404	C742 C552 C552 C580	CHTF18
KAVDALLTHC*K	2.340	C47 C47 C47 ,C47 C47	RSL1D1
RVDDFEAGAAAGAAPGEEDLC*AAFNVIC*D NVGK	3.923	C98,C105 C98,C105	FADD
APPGC*LTPER	2.349	C270 C253 C270 C265	C14orf159
VDALSPQLQLAC*ECYSR	4.529	C237 C287	PELP1

EIQSPLSSIC*DGSIALDAEPVTQPASLPR	4.423	C507 C507 ,C507 C20 C507	C2orf44
TDC*SDNSDSNDDEGTEGEATEGLEGTEAV EK	2.068	C262 C296	AKAP8L
FASYC*LTEPGSGSDAASLLTSAK	2.318	C159 ,C82 C159	ACAD8
MTEEEVEMLVAGHEDSNGC*INYEELVR	10.117	C139 C138 C139 C138 ,C139 C138 ,C139 C138 C139 C138 C139 C138	MYL6
ALYDTFSAFGNILSC*K	2.027	C128 C128 C103 C128 C128	PABPC4,PAB PC1
DLELTPNSGTLG*GSLSGK	2.571	C355 C299 C331 C310 C334 C327 C334 C310 C355 C299 C171 C327 ,C355 C355	MPP2
RPGTSPALLQGTAEEDHVDLSLSC*TLVPR	2.085	C117	CDKN1A
C*SVLAAANSVFGR	13.920	C439 C482 ,C482	MCM5
C*SATPSAQVKPIVSASPPSR	2.152	C726 C498	RBM33
VGLIGSC*TNSSYEDMGR	3.381	C385 C410	ACO2
SAVC*IADPLPTPSQEK	2.224	C358	POP1
NVTICPNPEDTC*DFAR	11.185	C623 C609	BUB1B
KMQPDQQVVINC*AIVR	2.038	C64	VASP
C*PLDDGQAGAAEATAAPTLEDR	3.417	C492 C515 C493 C515	GPSM1
C*FTTGSSSNTIPIR	3.118	C268 C268 C268 C268 C268 C268	RMI1
IC*NLTEEESSK	2.905	C132	USP34
ACFC*IDNEALYDICFR	14.817	C201 C201 ,C201	TUBB1
LVVEC*VMNNVTCTR	4.344	C120 C86	FABP5
VNAQDNELSNVEFHC*GR	2.205	C486 C486 C504 ,C486 C504	TRMT2A
GLIDYNFHC*FR	2.136	C358	RRAGC
KIVAPTVSQINAEFVTQLAC*K	2.151	C28	AQR
ITISEGSC*PER	2.176	C58 C58 C58 C58 C58 C58 ,C58 C58 C58 C58 C58 C58 C58 C58 C58 C58	PCBP4
C*GSSEDLHDVR	5.851	C636 C631	HDGFRP2
C*SWLVVQCLQR	32.010	C333 C267	FDPS
C*HNPSLEVEDLSLENAIGKPFDK	2.995	C242 C242	ERCC4
IHDVLC*K	2.380	C863	LRPPRC
DSL DENEATMC*QAYEER	2.004	C355	LZTS2
SAMC*LTGSPQEQGVSVVSEEGLENSAPES ASR	3.779	C1903	ZNF318
GYGLFAGPC*K	3.025	C373 C373	PRKDC
DC*GEWAIPGGMVDPGEK	15.007	C207 C157	NUDT9
C*SVLPLSQNQEFM+PFVK	2.036	C616,M628	GARS
QM+FEPVSC*TFTYLLGDR	2.260	M28,C34 M28,C34 ,M28,C34	ETHE1
LQVLVEEAFGC*QLQNR	2.142	C386 C386 C386 C386 ,C386 C386 C386 C386 C386 C386 C386 C386 C386 ,C386 C386 C386	EARS2
SC*STEQPLTSTK	2.203	C283	QSER1
GPLNSESSNQSLC*SVGSLSDKEVETPEK	2.661	C40 C40 C40 C40	TLK2
VAC*GSNC*GVVNIYNQDSCLQETNPPIK	29.526	C442,C446 C442,C446	UTP18
WC*SWLSQAR	2.024	C431 C400 C330 C462 C432 C369	SLC3A2
ELVSC*SNCTDYQAR	4.847	C395 C395	SARS

LFNC*SASLDWPR	2.862	C439 C456	LAS1L
ETIGVGSYSEC*KR	18.297	C416 C421 C441 C432 C340	RPS6KA1
NDLSIC*GTLHSVDQYLNK	2.098	C26	LSM2
ISGADINSIC*QESGMLAVR	4.410	C379 C348	PSMC4
WEC*PALPQGWER	2.349	C8	MBD3
GSVTVLSGYAADEITHC*IRPQDIK	2.607	C267 C256	ALKBH5
INFVMC*EVNK	2.947	C232 C191 C191	BAG5
SPLPLGFSPVC*DPMSDK	9.781	C90 C90 C90 C90 ,C90 C90	MVB12A
QRPLTASLQC*NSTAQTEK	3.195	C92 C92	CGGBP1
GGSCSQAAC*SNSAQGSDESLITCKA	3.577	C350 C350 C356 C356	HLA
SEVEEVDFAGWLC*K	3.749	C384 C384 ,C287 C384	MAP2K2
SVTLLEVC*GSWPEGFGLR	2.062	C821 C592 C821 C607 C168 C836 C821 C836	BCAS3
AQEPLVDGC*SGGGR	3.435	C43 C43	ERMP1
LSEEAEC*PNPSTPSK	6.860	C947	STK10
EAEGEQFVEEALEKSPC*QTDVLR	2.238	C239	IFIT3
QILIAC*SPVSSVR	2.359	C116	DNTTIP2
ETNDDNYGPGPSLRPPNVAC*WR	2.755	C179 C177 C179 C177 C177 C177 C177	PRRC2C
IYGFYDEC*K	86.480	C111 C139 ,C139 C140 C151	PPP1CA,PPP 1CB
DEFSYQEMIANLPLC*SHPNPR	2.088	C89	SRM
KVGILDVLC*GPSIPR	2.680	C54 C54 ,C54	NUBP2
YDNSLKIISNASC*TTNCLAPLAK	7.242	C152	GAPDH
C*YNEMALIR	3.929	C1099	UBE2O
ITVC*ATDDSYQK	2.137	C121	ELL
EADTDVQVC*PNYSIPQKTDSYFNPK	21.930	C239	TRMT1L
SC*DGAAGLPEVPAESSSSPPGSEVASLTQ PEK	2.513	C412 C412 C412	KANK2
TTSSANNPNLM+YQDEC*DRR	9.330	M581,C586 M579,C584	DDX17
ILPALC*HDITDWWVGTR	4.589	C365 C365	DNAAF5
NC*TCGLAELEK	8.569	C249 C236	CIAPIN1
DVALSSGSAC*TSASLEPSYVLR	2.270	C330 C321 C381	NFS1
HYTGTQGLIFVDC*ADR	10.491	C90	ARF6
GPEVTSQGVQTSSPAC*K	5.084	C732 C813 C627 C892 C627 C892 C892	ATXN2
NKQPFSC*R	2.646	C61 C61 C61	ELOVL5
SMSAAF*SLAPER	2.346	C250 C355 C355	RIN1
QKYEM+LC*R	6.918	M291,C293 M291,C293 M291,C293	P4HA1
ESSGLVLLSSC*PQTASR	5.422	C138 C115 C147 C143 C132	RPUSD3
TLEPIC*DADPSALAK	3.610	C25 C25 C25 C25 C25	RBM26
ETGAASFLC*R	7.006	C28 C28	TPP2
PEGCPAPAPCPAPGISALDECGCCARCLGA EGASC*GGR	11.774	C77	IGFBPL1
TDIQIALPSGC*YGR	2.965	C78	DUT
QSLESLSSGLC*K	2.203	C225 C569	KDM3B
HTGC*CGDNDPIDVCEIGSK	13.552	C113	PPA1
C*GAETQHEGLELR	3.754	C128 ,C128 C128	PREB
EILGTAQSVGC*NVDGR	4.106	C141	RPL12
EILLEG*AEK	3.747	C55	TTC33

TADKENTLQC*PK	2.611	C62	C10orf12
AGQTTYSGVIDC*FRK	2.789	C566 C565 C563 ,C566 C565 C563 C456	SLC25A12,SL C25A13
GYC*AALYEGLR	21.330	C243 C243 C243	GGNBP2
IIGATDSC*GDLMLFM+K	2.249	C133,M140	CBX5
TEGSDLC*DR	21.914	C545	RPN1
KIC*ALDDNVCMAFAGLTADAR	2.082	C63	PSMA7
SQTEEITSTTDSVYTGGEVVMVPSFC*K	2.753	C2791 C2791 C2791	RANBP2
QVVDC*QLADVNNIGK	2.663	C414 C445	LAP3
ITVGNDFHC*VSTPER	2.845	C158	ZNF318
IVVEYCEPC*GFEATYLELASAVK	2.395	C33 C33	MIEN1
GLSDALIC*TDDFIK	2.470	C489 C489	MED1
ESQGSSGPEFSC*NSFLQEK	4.462	C199 C209	HOXD9
ETTSHNSLTTPC*YTPYYVAPEVLGPEK	3.601	C224 C224	MAPKAPK2
HAC*PAYVGPEILSSR	2.846	C222 C249 C222 ,C249 C222	TRIB3
LTSSC*PDLPSQTDKK	2.087	C290	STX17
VQVMDAC*LR	3.349	C61	RNF7
TVSSDGC*STPSR	3.563	C324	TP53BP1
ILYLDSSAICFPTVPGC*PGAWDVDSNPQR	2.663	C611 C621	ESYT1
FLEETNC*LYAAEQQR	2.187	C149 C141 C241	CUL4A
FDLGIIC*VDNK	6.700	C41 ,C41 C41	YBEY
INPSETYPAFC*TCFPSEPGLVGPSVR	2.022	C425	MARS2
GQVC*LPVISAENWK	2.587	C86 C54 C144	UBE2L3
FVSC*LLEQPEVLVTGAGR	19.492	C873 C829 C873	RAB3GAP1
AC*FGAENLMR	2.164	C230	GNL3L
EMC*GSPAPLSSNSSASSSSQTSTSSGGG GGGPGAAAR	2.339	C19	TRIM71
YGWSADESGQIFIC*SQEEISPK	2.277	C157 C164 C103 C190 C190 C103 C157 ,C157 C190 C190 C157 C157 C190 C190 C157	EIF3K
VVAAAFQSEDPADPC*ALLQR	2.157	C402	DDX51
TATAVAHC*R	7.667	C25	ZNF90
TLPEVAEC*FDEITYVELQKEEAQK	2.203	C648 C629	HNRNPU
YHIQVCTTTPC*MLR	2.349	C143 C140	NDUFV2
PSYSSFTQGDSWGEGEVDEEEGC*DQVAR	2.014	C48	ARL6IP6
EAC*GGPSAMATPENLASLMK	2.066	C222	CBX2
C*SWLVSPK	2.217	C265 C210	HSDL1
ENMAYTVEC*LR	5.931	C125 C125 C125 ,C125 ,C125 C125 C97 C125	UQCRC2
DC*PDNPHIWLQLEGPK	4.374	C46	KHNYN
GGGAPWPGGAQTYSPSSTC*R	3.140	C305 C304	MTSS1L
LPLMEC*VQVTK	2.707	C351 C320 C422	PFKM
SPYTVTQAC*NPASCR	2.735	C451 C478 C478 C478 C451 ,C478 C478 C478 C451	FLNA
VEPLNIDDC*APESPTPPPPPPVGGWTPK	3.737	C260 C367 C264	ARL13B
WKAEDC*R	2.938	C113	LAGE3
NLAVAM+C*SR	2.456	M54,C55 M54,C55 M54,C55 M54,C55	PSMG4
SC*GKDGFIHR	2.091	C80	RPL10

RGNLNFTC*NGNSVISPVGNR	2.580	C24	LOC10272415 9
AAC*NGPYDGK	2.113	C45 C249 ,C45 C45 C45 C249	GLOD4
NSSAC*ENSGYFQQLEGK	15.748	C180 C202 C210	NT5C3B
VIIVQAC*R	2.259	C258 C202 C211 C258 C202 C211 ,C328 C258 C258 C257 C315 C173 C202 C211 C245	CASP5,CASP 4
LVYSTCSLC*QEENEDVVRDALQQNPGAFR	3.179	C362	NSUN5
VEQLFQVMNGILAQDSAC*SQR	9.467	C3781 ,C3781 C3781	PRKDC
EALEHLC*TYEK	2.985	C214	NAA15
LC*EDTEFENFQK	2.851	C1133 C1133 C780	N4BP2
DLM+ANATC*FR	2.200	M2128,C2133 M2447,C2452	SON
WC*ELIPGAEFR	4.481	C170 C170 C138	CDC123
RQDFNPC*EYDLK	5.694	C48 C48	ASPSCR1
EALPVSQPQIPCLSSFK	2.087	C577 C185	DDX20
QTQAIPYTGPFNLLC*YQLQK	2.011	C490 C527	CPSF3
LVLVLPDVEEQSPESC*GR	7.650	C1377	MCM3AP
RPVLGLEC*PQSEVSGAR	2.648	C131 C131	SMUG1
C*PFYAAEQDK	2.191	C236 C265 C319	HMOX2
AFYMEEGVPYC*ER	9.987	C388 C354	PDLIM7
SHAVAC*VNQFIISR	22.494	C197 C205	TNPO1
PSPTATSQLPLESDAVEC*LNYQHVK	3.524	C132 C132	HNRNPK
NHLLPDIVTC*VQSSRK	3.333	C184	NTPCR
NSSVAM+GASLSC*SEYSLK	2.122	M242,C248	CUTC
ELSFSGIPC*EGGLR	4.180	C36	TBC1D13
VLVVGAGGIGC*ELLK	8.394	C30	UBA2
NVLSETPAIC*PPQNTENQRPK	2.433	C1008 C885	WDHD1
DYLLC*DYNR	17.680	C62 C91 C62 C50 ,C62 C91 C62 C50 C88	CAPZB
NVGTGLVGAPAC*GDVM+K	4.332	C69,M73 C69,M73 C69,M73 C69,M73 C44,M48 ,C69,M73 C44,M48	ISCU
QPDISC*ILGTGGK	2.760	C49 C78	NUP107
GVLLYGPPGC*AK	2.314	C509 C509	SPATA5L1
AYC*EPCYINTLEQCNCVCSKPIMER	7.497	C443 C465	LPP
PNDVQLFYGSM+C*KIILSVIGEFR	4.503	M2052,C2053 M1577,C1578 M1456,C1457 M600,C601 M1591,C1592 M1652,C1653	CEP192
QPALSAAC*LGPEVTTQYGGQYR	8.162	C30 C30 ,C30 C30 C27 C30	APEH
YNLSPSIFFC*ATPPDDGNLCR	2.414	C99 C120	SORD
AWNNQVCC*K	2.714	C353 C353 C353 C353	HCFC1
C*SVLNSEEIHVYIK	4.250	C73	GNPAT
ALAPSAEC*PIAEENLAR	2.212	C1285	MCM3AP
EGILQYCQEVYPELQITNVVEANQPVTIQNW C*K	4.810	C98 C98 C98 C93 C98 C63 C98 C98 C98 C98 C98	APP
MM+YSPIC*LTQDEFHPFIEALLPHVR	2.057	M2,C7 M2,C7 M2,C7 M2,C7 M2,C7 M2,C7 M2,C7 M2,C7	NFIB
VNGSTTAIC*ATGLR	2.265	C140 C80 C157 C113 C68 C135	USP3
VWLWTAC*DFADGER	3.103	C2407	RANBP2

QIVDAQAVC*TR	8.160	C129 C129 C129 C129 C129 C129 C129 C129 C129 C129 C129 C129 C129	PML
NDAPEEAGEGC*VAAILGETEVQQFLR	3.624	C57 C57	TMCO6
LNC*IEDEGGQALAHALQTNK	5.170	C373	TCTE1
LEFWC*TDVK	7.935	C357	PSMD13
C*SVPVDQASESLLK	3.140	C213	GNL3L
AGDMICPEC*GLVVGDR	2.163	C37	GTF2B
SPEEQLVC*VPPQEAFPNDPR	2.758	C952 C952	FAM208A
VMLPGQC*QYLGLPVADYFK	13.884	C97 C143 C140 C258 C49	ERI3
LTPKPETSFEENDGNIILGATVDTQLC*DK	2.046	C284 C300 C138 C453 C422 C436 ,C453 C422 C436	PPFIBP1
NIDINDVTPNC*R	6.962	C112 C104	PSMC5
DADDAVYELDGKELC*SER	6.471	C63 C60	SRSF5
LSWDFTPGPSSGASQC*TGVLRL	2.430	C157	KHNYN
DDGQADSEVLGEC*AR	2.434	C132	RNF169
ILDDPSPAC*PHEEHLAALTAAPR	2.216	C362 C373 C373	CPT1C
RAAC*EQLHQQQQQQEEETAAATLLQGE EEGEED	2.228	C292	PURA
GSC*YPATGDLLVGR	2.125	C47	LAMB2
YRC*ELLYEGPPDDEAAMGIK	3.331	C369	EEF2
LEEATTIC*LLP	9.596	C839 C868 C519 C878 C845 C843	AFF2
AALETDENLLLC*APTGAGK	4.445	C502	SNRNP200
M+C*DFGISGYLVDSVAK	3.239	M195,C196 M211,C212 M177,C178 M206,C207 ,M195,C196	MAP2K6,MAP 2K3
NWYVQPSC*ATSGDGLYEGLTWLTSNYKS	2.729	C155	ARF6
AYC*EGCYVATLEK	3.672	C328	TRIP6
DSLLATVPDEQDC*VTQEVPSDR	3.061	C602	TGS1
LLEDAIGC*M+EANQGTLMIQDK	206.989	C514,M515 C382,M383 ,C514,M515 C382,M383 C382,M383	RBM6
TSSVSNPQDSVSGSPC*SR	12.161	C109 C108 C106 C108 C108	PXN
MEELGLASQPPEGRPC*QPQTR	2.555	C1516 C1516 C1404	RAI1
LYVYNTDTDNC*R	3.469	C105 C185 C173	GORASP2
SQC*LQVPER	2.890	C100	PDCD2L
QPC*PSESDIITEEDK	3.286	C204 C204 C204 ,C204	PSIP1
C*GGLQLQNEVDVYMATK	15.350	C389	ALDH1L2
ASFENNC*EIGCFAK	2.106	C11 C11	EIF6
C*LSVM+EAK	2.185	C781,M785 C773,M777	AARS
SPLGEAPPGTTPPC*R	2.502	C144 C111	ZNF428
STACQMLVC*YAK	4.047	C687 C705 ,C687 C705 C689	IPO5
THTLC*R	10.138	C19 C19 C19 ,C19 C19	RPL37
SC*PELTSGPR	3.564	C207 C207 C207	CHAF1A
TMATWGGSTQC*ALDEEGDEDGYLSEGIVR	11.898	C896 C896 C896	PCM1
VGLDATNC*LR	3.704	C34 C34 C34 C34 ,C34 C34 C34 C34 C34 C13 C34 C34 C34 C34 C34 C34 C13 C34	BRE
SQADQFC*QR	3.552	C388 C388 C388 C388 C388 C388 C388	DOCK7

VIDPVTGKPC*AGTTYLESPLSSETTQLSK	2.008	C100 C195 C100	MRPS17,hCG _1984214
SGTVPTPLVVGLGAAC*EVAQQEMEYDHKR	2.936	C257 C248 C308	NFS1
VGAHAC*ARALLQPR	5.891	C142 C142 C56 C56 C66	NFKBIB
SESLLVTPSADILEPSPHPDMLC*FVEDPTF GYEDFTR	2.522	C314	SESN2
SSYLNIVGLVGSIDNDFC*GDTMTIGTDSALH R	2.049	C170 C241 ,C170 C170 C241	PFKM
C*YGFVTMSTAEATK	2.091	C448 C448 C448 C379	SAFB
SGC*ALTDAVAPGNK	7.936	C83 C83 C83 C83 C83 C5	TCF25
DVQIGDIVTVGEC*R	4.760	C131	RPS11
TVFEALQAPAC*HENMVK	2.013	C492 C492	AP2A1
LLDVLSGHEGPISGLC*FNPMK	3.362	C508 C508	LOC10272415 9,PWP2
TIYAGNALC*TVK	3.094	C155 ,C155 C155 C106 C93 C51 C155 C59	ETFA
QTSVPDQMDNTSSVC*SSPLIR	2.271	C68 C68 C68 ,C68 C68	SNX16
MVQVHELSC*EGISK	2.552	C180	SEC23B
C*DGDASPPSPAR	2.105	C15 C15	SLBP
RPTEIC*ADPQFIIGGATR	170.242	C82	CAPN2
VPFLVLEC*PNLK	26.161	C14 C14 C14	OSTC
TVAMHEVFLC*R	20.424	C149 C161 C33 C149 C161 C33 ,C149 C161 C33	SNX6
SQGGLAAGGSLDM+NGRC*ICPS	12.955	M117,C121 M117,C121 M117,C121 M117,C121 M117,C121 M117,C121 M117,C121 M117,C121	CAMKK2
TPQAPFPTC*PNR	12.837	C129 C129	ZBTB21
LMTDTINEPILLC*R	9.822	C438	NARS
SLSC*LSDLGGSVALEPR	9.746	C26	PPP1R3D
STSSC*ISTNALLPDPYESER	8.460	C200 C200	SETD7
NKPFFDIC*TSR	7.831	C419 C419 C419 C419	RNGTT
YVVL*ESPQDKR	7.309	C192	TBC1D15
TEPPQGEDQVDIC*NLR	6.977	C664	SH3PXD2B
YWC*DAEYDAYR	6.840	C1293 C1293	SEC16A
YSESGNMDFDNFISC*LVR	6.423	C58 C232 C242 C232 ,C232 C202 C242 C232	CAPNS1
SVAAGC*PVLLGK	6.164	C251	AVEN
AIC*TEAGLMALR	5.737	C326 C399 ,C399	PSMC1
LNQPYC*GYAVGGSGVSATPAQR	5.690	C331 ,C331 C331	NLRX1
YGWVTVEC*DMLK	5.488	C91 C112 C112	ZC3HC1
SLDGLSEAC*GGAGSSGSAESGAGGRR	5.325	C176	C17orf59
VMSNLVEHNGVLESEAGQPQALGSSGTC*S SLK	5.256	C628 ,C610	RRP1B
VLGTALC*PR	5.156	C77 C584 C56 C584	DMWD
NDAPNRFWASVEPYC*ADITSEEV	5.141	C162 C162	TADA3
VFEHDSVELNC*K	4.954	C28	ESD
SPMAESLDGGC*SSSEDDQGER	4.696	C523 C523	TCF20
NC*YQDDINR	4.600	C809 C703 C809	USP8
VEC*TYISIDQVPR	4.276	C54 C74	SCRN1

VLAELPQC*LRK	4.148	C19 C19 C19	RAB34
TMENVDSLDKLEC*R	4.097	C1167	SIN3A
QADPGFFC*R	4.094	C92	PMVK
MAEGSGDVDDAGDC*SGAR	4.035	C52	ARMCX3
SVC*TEAGMFAIR	4.003	C389 C252	PSMC2
SWVFDSYSLTGPSVC*ELVR	3.905	C154 C118 ,C92 C154 C78 C154 C118	PDDC1
NSNYC*LPSYTAYK	3.888	C235 C264 C239	USP15
NQNLINAC*TK	3.808	C804 C166 C214 C804 C302 C787	SEMA6A
DLCELTGYDQVC*FQPNSGAQGEYAGLATI R	3.793	C612	GLDC
MGC*PELQIGEASITSLK	3.784	C367 C366	TMEM209
PC*DPSLTFDAITTLR	3.783	C255 C279	MMP8
SPGSSWQEYGPSDTC*GSR	3.778	C1245	PRRC2B
TQIVDC*AAVANWIFSELSR	3.768	C616	NCBP1
LC*YDPDFEK	3.620	C11 C115 C115 C115 C115 C115	GSTM5,GSTM 2
LYSGVLITLENC*LLPDDKLR	3.466	C52 C52 C52 C52 C52	CCNL2
RDAAPAHGQSIEIPSAC*ISR	3.316	C708 C708 C709 C710 C710 C706 C710 C706 C709	PHRF1
LSLQNC*CLTGAGCGVLSSTLR	3.237	C95	RNH1
TDPYSC*SLCPFSPDPGWPAFMR	3.185	C496 C399 C399	FLAD1
SPQAQADSDGSENVLC*GNNQISDLGILLPE VCMAPPEK	3.127	C511 C511	CNST
QRAVC*MLSNTTAAIEAWAR	3.100	C376 C376 C376 C400 C310	TUBA8,TUBA4 A,TUBA1B,TU BA1A
SHLLNCC*PHDVLGTR	3.004	C44	LUC7L2
VPFC*PMVGSEVYSTEIKK	2.919	C94	RUVBL1
TYPGVMHSSC*PQEMAAVKEFLEK	2.860	C213	LYPLA2
TDSYPQIQNNLWAGNASGGSVVTSC*MLPR	2.836	C239	ALX1
SIPLEC*PLSSPK	2.824	C147 C147 C147 C147	AKAP1
STVLSLDWHPNNVLLAAGSC*DFK	2.738	C162 C115 C162 ,C162 C162 C115 C162	ARPC1B,ARP C1A
TAC*NVEEAFINTAK	2.701	C154 C154	RAB2B,DKFZp 313C1541
SGDAAIVDMVPGKPM+C*VESFSDYPLGK	2.684	M408,C409	EEF1A1
SGPFTHPDFEPSTESLQFLDTC*K	2.636	C70	UBA3
C*VANNQVETLEK	2.590	C930	LRPPRC
YYTPVPC*ESATAK	2.512	C688	STAT5B
C*DLVLDAHEK	2.444	C12	ATXN2
M+FFIQAC*R	2.406	M314,C320 ,M314,C320 M283,C289	CASP2
LSHDWLC*YLAPEIVR	2.355	C700 C777 C640 C640 C755	KSR1
NYVTVMQNNPLTSGLEPSPPQC*DYIRPSLT GK	2.352	C202 C266 ,C202 C266 C202 C266	NCK1
VASGNDHLVMLTADGDLYTLGC*GEQQQLG R	2.341	C198 C198 C198 C198 C229 C234 C215 ,C198 C229	RCC1

YQVEQC*VNEASIIR	2.331	C128 C142 C128 C142 ,C128 C142	STRBP
TLATC*AAGSR	2.322	C1016 ,C407 C1016	ZNF516
QADSC*PYGTM+YLSPPADTSWR	2.314	C131,M136 C90,M95 C56,M61 C147,M152 C131,M136	CRTC1
LNLSC*IHSPVVNELM+R	2.287	C106,M116	NOP58
TEVSGC*PEDLTVGR	2.239	C148 C148 C148 C392	NOL4L
QSSAVMALQEACEAYLVGLFEDTNLC*AIHAK	2.219	C111	HIST1H3A
VTDDLVC*LVIYK	2.200	C48 ,C48 C48	SRP9
SHC*FVTYSTVEEAVATR	2.172	C1012 C1052 C1039 C994	ACIN1
QAGSVGGLQWC*GEPK	2.126	C200 C200	MCMBP
SEM+VPSC*PFIYIIR	2.121	M47,C51 M47,C51	NUP85
LQEELNEFVSGC*R	2.096	C26 C26 C26	SNRNP48
SNADSLIGLDLSSVSDTPC*VSSTDHSDTVR	2.092	C174 ,C174 C174	ZFYVE16
MAEEGENLEAEIVYPITC*GDSR	2.089	C45 C96	GMEB2
LM+GLLSDPELGPAAADGFSLMSDC*TDVLTR	2.087	M825,C848 M782,C805 M846,C869	MMS19
TCLIC*ADTFR	2.071	C87 C136 C72 ,C136	SRP54
YLVVNADEGEPGTC*KDR	2.062	C125 C118 C24 C116 ,C24 C125 C118 C24 C116	NDUFV1
VIQC*FAETGQVQK	2.017	C491 C495 C491	CLTC
NFNYHILSPC*DLSNYTDLAM+STVK	2.001	C461,M471 C498,M508	CPSF3
VIEQLGTPC*PEFMKK	53.705	C245 C283 C283 C245 C245 C196 C138 C245 C245 C138 C138 ,C283 C283 C245 C196 C245 C245 C245 C245	MAPK10,MAPK8
LIELVVC*ANDLQPLDNELIC*IAEHCTNL TALGLSK	33.784	C346,C359	FBXL21
DRTSGNVEDDLIIFPDDC*EFK	15.425	C80	ADRM1
MAAAEAANC*IMEVSCGQAESSEKPN AEDMTSK	4.746	C9	PRMT1
SLC*NLEESITSAGR	1.999	C63 C63 ,C63	FAM98B
TTQIPQWC*VEYMR	1.997	C174	DHX15
NVVTIFSAPNYC*YR	1.995	C266 C266 ,C266 C266 C104	PPP2CA,PPP2CB
LGC*DLDMFLDLDETR	1.995	C372 C242	MTPAP
IFETLGTPTEEQWPMC*SLPDYVTFK	1.994	C204	CDK7
LGPVC*VSAPASMLPVTSSR	1.989	C718 C517 C517 C718	PRDM2
C*PGPLAVANGVVK	1.989	C604 C604	SEC23IP
IGGPEVTSC*HLPWDQTETAPR	1.989	C642	MARK4
TEC*AEPPRDEPPADGALK	1.988	C11 C10	PPP5C
EFLC*LDDPPGPFDSLEESR	1.985	C212 C212 C183 ,C212 C183	SNX16
ETHSVDRPLPSALTATAC*K	1.985	C199 C633	LARP4B
DWPAQYC*EALADEENR	1.983	C283	NSMCE3
SYGSLVQSAC*SPVR	1.981	C32	LYSMD1
SEETHASQIELLETSSTQEPLNASEAFC*PR	1.981	C50 C82 ,C50 C82 C50 C82	MAD2L1BP
FAC*HSASLTVR	1.980	C145 C145 ,C145	NONO
VC*NYGLTFTQK	1.980	C65 C65 C66 C66 ,C66 C65	VDAC3
AGGPPQVAGAQAAC*SEDR	1.975	C35 C35 C35	CENPH

ITLEC*LPQNVGFYK	1.975	C157	GNPNAT1
SSAVIEQGDC*K	1.974	C1612	PHIP
IKTESEEAC*TEIQLLTTASSSFPPASELNLQ QDQK	1.974	C699 C747 C630	RSBN1
ANC*LSTESTDTPKAPVITLPSEAR	1.974	C48	ZFP64
DEDDAPLC*EDVELQDGDLSPEEK	1.973	C25	APOL6
ITGHFYAC*QVAQR	1.973	C546	IGF2BP3
AGISTTSVC*EGQIANPSPISR	1.968	C160 C288	FAM222B
RPLQGVANQEPSNC*AAVAVGR	1.967	C27	APEX2
VVAAC*AMPVMK	1.967	C106 C92 C56 C35	NDUFS1
GADIMYTGTVDC*WR	1.966	C257 C257	SLC25A6,SLC 25A4
VLYLDDSEGC*GAPELDKEIK	1.964	C120 C120	TOB2
ILYSQC*GDVMR	1.964	C33 C32	MYL6
SNPSVFLC*QCSCYVAEDQQYQWLEK	1.963	C135 C135 ,C135	PSMG1
DTC*GGDSGGPLVCNGVLQGITSWGPEPCA LPEK	1.960	C107 C209	KLK2
LLTEC*PPMMDTEYTK	1.955	C853 C853	CSE1L
EANDALNAYVC*K	1.954	C80 C80	INTS3
LAAPDPC*DPQR	1.953	C28 C28	PRAF2
VC*ETDGC*SSEAK	1.951	C9,C14	METAP1
TIC*SSVDKLDK	1.943	C215 C161 C125 C121 C235 C195 C175 C166 ,C215 C161 C235 C125 C166	HARS
AAHTEDINAC*TLTTSR	1.941	C516 C657 C637	RAF1
GCSKPLCC*SCALLDSSHSELK	1.938	C213 C213 C213 C213 C213 C213 C213 C213 C213 C213 C213 C213 C213	PML
TVEEIEACMAGC*DK	1.932	C441 C418 C482 ,C482 C418	PEPD
SGETEDTFIADLVVGLC*TGQIK	1.932	C389 C361 C389 C346 ,C389 C389 C389 C389 C361 C389 C346 C361 C389 C346 C361 C389 C346 C361 C389 C346 ,C389 C389 C361 C389 C346 C361 C389 C346	ENO1,ENO3
TYDGPGSQPVIC*QSSVYGTLENKVDILDAA VQTK	1.932	C991	FAM208B
SAC*DTVDTWLDDTAK	1.930	C4216	DYNC1H1
TVSSDGCSTPSREEGGC*SLASTPATTLLHL QLSGQR	1.929	C329 C334	TP53BP1
LISDAGYQGEITSVSTAC*QQLEVFSR	1.928	C186 C204 C195 C198	TH1L,NELFCD
SEGVGTC*SEKDPGVLPVPLGGR	1.926	C178	ZNF609
TSLDLYANVIHC*K	1.924	C148 C90 C125 C148 C148	IDH3G
QHSSFGYASVQNPASNLSAC*QYAVDRPV	1.922	C316 C263 C309	PITX2
TPGC*SDLGPLIPQFLR	1.921	C487	BRAT1
SVYLGTC*GK	1.920	C516	CDKN2AIP
VNDASC*GPSGCYTYQVSR	1.920	C9 C9 C9 C9	PATZ1
C*KPVPLLELAEGQK	1.919	C73 C73 C66 C66 C66 ,C73 C66	NEDD1
IDTPPAC*TEESIATPSEIK	1.917	C1534	PCF11
TSDFNFLAQEGC*TK	1.915	C211 C23 C192	CHORDC1
TAGFSPDC*IMDDAINILQNEK	1.910	C109 ,C109 C109	INTS4

KNDFYSYEPPSENPPPETGESVC*LQLK	1.908	C125 C125 C125 C92 C92 C125 C125 C92	PDCD2
TEAYEYAQSLGAETC*PLPSFQVFK	1.906	C1797	SEC16A
DHSGGIGDIC*K	1.906	C90	LACTB2
KGTDIMYTGTLDC*WR	1.903	C257	SLC25A5
GPSGC*SGGPNTVYLQVVAAGSR	1.901	C51 C51 C51 ,C51 C51 C51 C51	ELAC2
TATAVAHC*K	1.897	C25 ,C25 C25	RPS16
DC*ELGRPGPDSQSSVAEISTIAK	1.895	C539	ELFN1
LKNC*GCLGASPNEQLQEENLK	1.893	C32	RARS
GFGHIGIAVPDVYSAC*K	1.893	C124 C139	GLO1
KPASFM+TSIC*DER	1.892	M841,C845 M831,C835	ACLY
NC*DLISGEQSSEQTQR	1.891	C369	ZNF770
VMAEANHFIDLSQLPC*NGK	1.889	C610 C620 C494 C239	OGT
VAPVVITYNC*K	1.887	C65	PALD1
MLPDKDC*R	1.886	C63 C80 C118	CFL1
SDQALNC*GGTASTGSAGNVK	1.884	C185	RFXAP
TAEPLLDKESISENPTLDLPC*SIGR	1.883	C437 C380 C335 C335 C380 C106	MTF2
VYSYFEC*R	1.883	C39 C39 C39 C39 ,C39 ,C39 C39	NAMPT
SDSSAC*VDDTLGQVGAVK	1.880	C537 C506 C490 C521 C534 C532 C457 C493 C534 C534 C534 C493	HDAC9
VLEDCNIVLSLNASNC*K	1.877	C123 C123 C123	ZC3H7A
APPC*EYKDWLTK	1.876	C3837 ,C3806 C3837	PRKDC
ESSFEESNIEDPLIVTPDC*QEK	1.873	C614 C614 C614 C286 ,C614 C614 C614	MASTL
GAAATPGGLPAPC*ASK	1.873	C20 C20	CPNE7
AGHC*APSEAIEK	1.873	C103 C103 C103 ,C103	PPP2R4
WNDNC*PSWNTIDPEER	1.872	C301 ,C223 C301	CAPN2
SFMQVLC*EK	1.871	C14 C14 C14 C14 C14	TBCEL
AEDC*WELQISPELLAHR	1.870	C575 ,C507 C521 C575	KIF22
VIEC*DVVKDYAFVHMEK	1.869	C108 C108	RBM14
NC*GCLGASPNEQLQEENLK	1.868	C32	RARS
DRGPGTSSVSTSNASPSEGAPLAGSYGC*T PHSFPK	1.868	C686 C105 C32 C32 C627	LARP1B
SAVDYNTC*AGVWSQDKWK	1.867	C432 C482 C482 C432 C482 C482 ,C432 C482 C482	YTHDF2
STSTSEPTTGC*SLK	1.866	C734	ZNF280C
TPC*EEVYVK	1.865	C2646 C2679 ,C2679	FLNC
SAVDYNTC*AGVWSQDK	1.865	C432 C482 C482	YTHDF2
MNSC*NSSSFGPSGR	1.863	C137	HOXB6
SVAWAPSGNLLATC*SR	1.861	C123	CIAO1
ASGPDGEC*DSNGPGFYLYDLGSTHGTFLN K	1.858	C224 C170	SLC4A1AP
LCQICQNPFC*EPVFVR	1.858	C826 ,C826 C826	TGFBRAP1
KDFDACC*NEVPPAPK	1.853	C362 C362 C362 C293 C361 ,C362 C362 C362 C293 ,C362 C362 C362 C293 C362 C362 C362 C293	SAFB,SAFB2
HGYIFSSLAGC*LMK	1.850	C40 C40 C40 C40 C31	EXOSC1

FSLC*SDNLEGISEGPSNR	1.850	C568 C568 C568 C568 C568 ,C568	GAPVD1
EMLMC*DTSGSIQLSEEK	1.849	C109 C51 C109 C109 C109 C109 C109 C51 C35 C35 C109 C109 C35 C51 C121	RACGAP1
TPNTFAVC*TEHR	1.849	C1754 C1746 C1645	KIF1A
AILQENGC*LSDSMFQAGLR	1.848	C500	LRPPRC
NIPVYEC*ER	1.847	C54 C29 C43	PRKRA
FKDVAGC*EEAK	1.846	C192 C313	AFG3L2
GMETC*AMETR	1.846	C441	CSTF2T
VQSC*PDPAVYGVVQSGDHGR	1.846	C598	UBE2O
MMYSPIC*LTQDEFHPFIEALLPHVR	1.844	C7 C7 C7 C7 C7 C7 C7 C7	NFIB
LC*DDGQPLPTSPR	1.843	C521 C33 C179 C132 ,C521 C33 C179	SORBS3
C*FNEIQGESVSLGDDPSQPQTINK	1.842	C1204	EP300
APLRPEVPEIQEC*PIAQESLESQEQR	1.841	C44 ,C44 C44	GEMIN7
NEDEEGYVPTSYVEVC*LDKNAK	1.839	C604 C543 C556 C609 C543 C604 C580	FNBP1
ATSITVTGSGSC*R	1.839	C713	DAG1
EGPTALQDSNSGEPDIPPPQDC*GDFR	1.839	C125 C71	SLC4A1AP
LDMVPHLETMMQGGVYGSGGERYDSYES C*DSR	1.836	C94 C128	AKAP8L
TGPSLAGRPSSDSC*PPPER	1.836	C100 C100 C100	RASSF7
NAC*GSGYDFDFVVR	1.836	C86 C187 C180 C86 C178	NDUFV1
VEYASKVDENFDC*VEADDEVEGK	1.836	C101	HAT1
MNTLLANGEVPLFEGDEYATLMTQC*K	1.836	C3033	DYNC1H1
YGIC*MEDLIHEIYTVGKR	1.834	C186 C146	RPL7
RGSDASDFDLLETQSAC*SDTSESSAAGGQ GNSR	1.833	C5330 C4390 C7548 C324 C7344 C5894 C499 C5256 C5386 C7511 C411 ,C5330 C4390 C7548 C7344 C5894 C5256 C5386 C7511 ,C7548 C7511 ,C7548 C7344 C5894 C7511	MACF1
MVSTPIGGLSYVQGC*TK	1.833	C64 C64 C89 C64 ,C64 C64 C89 C64 C64	ACSF2
KPDAQSGPAGLVC*GDQR	1.829	C420 C456 C456 C420 C456 C456 ,C420 C456 C456 C420 C456 C456 C420 C456 C456 C420 C456 C456 ,C456 C456 C456 C456	POLR3E
VGLTNYAAAYC*TGLLLAR	1.829	C100 C50 C100 C50 ,C100 C50	RPL5
GVALPC*SPGDPQAECSAAGYRPLSASSQ SSLR	1.829	C430 C391 C391	KREMEN2
PLESDAVEC*LNYQHVK	1.829	C132 C132 ,C132 C132 C132 C132	HNRNPK
VTTGAPIPC*GADAVVQVEDTELIRESDDGT EELEVR	1.828	C419 C465 C452 ,C419 C465 C452 C419 C465 C452	GPHN
C*LMPSSVAGETSVLAVPSWR	1.824	C259 C197 C460 ,C460	MSL1
AFFIESVC*DDPTVVASNIMEVK	1.824	C155 C155 C155 C135 C155 C155 C169	PFKFB3
AEPGFEPADC*KR	1.823	C161 C184 ,C184	CEBPB

IKELDSC*LVR	1.820	C1884 C1733 C1862 C1862 C1862	GOLGA4
NALVSHLDGTTTPVC*EDIGR	1.818	C410	UQCRC1
ENGRIQC*FK	1.817	C710 C710 C710 C483 C710 C603 C710	PAM
AWC*VNCFACSTCNTK	1.817	C334 C272 C276 C284 C309 ,C334 C272 C334 C108 C276 C284 C309	LIMS1,LIMS4
EKLC*YVALDFENEM+ATAASSSSLEK	1.817	C219,M229 C219,M229	ACTA1,ACTC1
C*YDSPSSPEMNSSINNQLLPVDAIR	1.817	C103 C103	MPP6
IVAPTVSQINAEFVTQLAC*K	1.814	C28	AQR
FDEKENVSNC*IQLK	1.813	C14 ,C15 C14	MCTS1
IVGIGYNGM+PNGC*SDDVLPWR	1.809	M67,C71 M56,C60 M56,C60 ,M67,C71 M56,C60	DCTD
AVLLASDAQEC*TLEEVVER	1.807	C332 C332 C332 C332	INF2
C*GAPSATQPATAETQHIADQVR	1.807	C3	CSTB
GDWSVGAPGGVQEITYTVPADKC*GLVIGK	1.806	C366	FUBP3
SSSDTAAYPAGTTAVGTPGNGTGPC*SQDTS FSSSR	1.805	C243	SETD1A
FRGAGAASSTDSLDTLSNGPEGC*MVAVAT SR	1.805	C87 C87	NEFH
GNGIVEC*LGPK	1.804	C261 C342 ,C342	SAE1
NVPHEDIC*EDSDIDGDYR	1.804	C57	KPNA4
STAPSAASASASAAAASSPAGGGAEALELL EHCGVC*R	1.804	C68	TRIM28
ALC*IDQLDVFLQK	1.804	C53 C53 C53 C53 C53	RBM26
DEQAFPALSSSSVNSASQSSNPC*VQR	1.803	C489 ,C424 C489 C423	OTUD4
LELYGAC*VEEEGALTGGPKR	1.803	C149 C186 C199 C149 C186 C199 ,C149 C186 C199	RTKN
HTVVVYC*DR	1.802	C135 C135	DCAKD
ALSAVHSPTFCQLAC*GQDQQLK	1.802	C255 C272 C255 C255	RAVER1
VKAC*TTEEDQEK	1.802	C489 C390	GMPS
SC*SLGSLGALGPACCR	1.799	C282 C261	TARBP2
STLIDTLFNTNFEDYESSHFC*PNVK	1.799	C100 C100 C85 C100 C77 C100	SEPT10
YEDIC*PSTHNM+DVPNIKR	1.798	C73,M79 C73,M79 C103,M109 C73,M79 C73,M79	EIF5AL1,EIF5 A
QIEGHTIC*ALGDGAAPVQGLIR	1.798	C425 C418 C324 C416	NDUFV1
SKGEGIALNVDGAC*ADETSTYSSK	1.796	C85 C85 C85 C85 ,C49 C85 C85 C49 C85 C85	POLR3E
VGLGIC*YDMR	1.795	C153 C247 C153 C247 ,C153 ,C153 C247	NIT2
VLLDAPC*SGTGVISKDPAVK	1.795	C459 C496 C459 C463 C463	NOP2
LTYLGC*ASVNAPR	1.794	C87 C155 C155 C155 ,C87 C155	RABGAP1
DLATPVMQPC*TALDSHKELNTSSK	1.794	C480	TXLNG
SSEKNEDFAAHPGEDAVPTGPDC*QAK	1.793	C1374 C1381 C1479	AKAP12
GMTSLQCDC*TEK	1.793	C117 C89	DCUN1D5
SFNIVDIKPANMEELTEVITAAEFHPNSC*NTF VYSSSK	1.792	C239 C249 ,C239 C249 C239 C249 C239 C249	PPP2R2A
AGESLEPAYDC*R	1.792	C26	HOXC8

C*PQVEEAIVQSGQK	1.792	C158 C146	GNL3
SKDYEFMWNPHLGYILTC*PSNLGTGLR	1.791	C283	CKB
NVMVVC*VYPSSEKNNSNSLNR	1.790	C134 C77 ,C134	PPP4R2
SRPNASGGAAC*SGPGPEPAVFCPEPVVK	1.790	C108 C108	PDE12
GC*AFVTFTR	1.789	C177 C176 ,C150 C177 C132 C149 C150 C150 C176 C150 C177 C132 C149 C150 C150 C176	CELF1
AGWAC*PGQDPGPEPR	1.789	C48	ACTR5
MTGGGFGGC*TVTLLEASAAPHAM+R	1.787	C381,M395 C351,M365	GALK1
SC*DVEPNDDTVDALYNR	1.786	C174	ALDH1L2
MLVQC*MQDQEHPSIR	1.785	C180 C198	IPO5
AIVLFTSDAC*GLSDDAAHIESLQEK	1.783	C308 C333 ,C308 C333 C308 C333	NR2F1
DASALLDPMEC*TDAAEQR	1.782	C287 C287	MCMBP
AISSSC*ELPLVAVCQVSTPDKQQNFK	1.780	C29 C61 C44 C8 ,C44 C29 C61 C44 C8	NIT1
NIVVIDDDKSETC*NEDLAGTTDEK	1.780	C218 C235 C307 C247 C295 C218 ,C218 C235 C307 C247 C295	ELF2
LQELNAHIVVSDPEDITDC*PR	1.780	C118 C118 C118 ,C118 C118 C118 C118	PKN2
VIYDKDQFVC*GETVPAPSANK	1.779	C66	DPH3
SC*VAFLDVVIGGR	1.777	C374 C374 C374 C374 C374 C374 C374 C374 C374 C374 ,C374 C374	GAPVD1
LC*NNQEENDAVSSAK	1.776	C165	C5orf22
EYLESQC*LESKSDWR	1.775	C220 C220 C220 C220	RGPD3,RPD 4,RANBP2
DSGAASEQATAAPNPC*SSSSR	1.774	C671 C696 C583	LMF2
VLGSMC*QR	1.774	C194 C194 C218	DFFB
GGVEVLESC*QGSSNGAQDQEASEQFGSP VAER	1.772	C480	METTL16
SLEYC*STASIDSENPPDLNK	1.772	C3014 C3014	PRKDC
AGVGLLEVLEPDMSC*GEEAATAVR	1.771	C228 C228	GATB
GC*GLAPSLK	1.770	C47	HOXC10
GQKC*EFQDAYVLLSEK	1.770	C237	HSPD1
SC*YLSSDLLLLEHR	1.769	C246	MACROD1
LC*EVVDHVFPLK	1.767	C849 C885 C843 C928 C869 C879	LPIN1
FADLPC*ELQDMVR	1.767	C121 C186 C196	TJAP1
QC*LESDAGASNEYDSSPAAWNK	1.766	C49	RECQL
TAC*TNFMMPYVTR	1.766	C177 C177 C177 C177 C177 C177 C177 ,C177 C177 C177 C177 C177 C177 C177 C177 C177 C177 C177 C177 C177 C177 ,C177 C177 C177 C177 C177	MAPK9
FGGQLLSFDIGDQPVFEIPLSNVQC*TTGK	1.765	C42 ,C42 C139 ,C139	SSRP1
VVAENFDEIVNNENKDVLIIFYAPWC*GHC K	1.765	C406	PDIA3
DPPAGAAAASPPLSSC*SR	1.765	C82 C82 C82 C82 C82	PKD2

		C193 C141 C211 C211 C211 C211 C558 C211 ,C193 C193 C193 C141 C141 C141 C211 C211 C211 C211 C211 C211 C211 C211 C211 C558 C211 C558 C211 C558 C211 C211 C211 C211 ,C193 C211 C139 C141 C211 C211 C125 C211 C558 C211	TUBB4A,TUBB 6,TUBB2B,TU BB,TUBB3,TU BB4B
TDETYCIDNEALYDIC*FR	1.764		
SKDYEFM+WNPHLGYILTC*PSNLGTGLR	1.762	M272,C283	CKB
AAEEC*GYSVQVISMPEDESCPK	1.761	C607 C520 ,C607	GSTCD
EVTKGPAESPDEGITTEGEGEC*EQTPEEL EPVEK	1.761	C905	MAP1B
YYGC*GLVIPEHLENCWILDLGSGSGR	1.759	C61	AS3MT
LQAFGFC*EYKEPESTLR	1.758	C132	RBM25
C*QEYESELGR	1.757	C523 C479 C155	ESPNL
LC*CPATAPQEAPAPEGR	1.756	C147 C114	ZNF428
VPPSSPAC*VPGR	1.755	C57	PARG
NVC*TEAGMFAIR	1.754	C347 C361 C347 C361 ,C347 C361	PSMC6
FAPGLSC*VTYAGDKEER	1.754	C23 C123 C123 C10 C123	CHD1L
SQTDVYNDSTNLAC*R	1.752	C134 C220	SPAST
		C38 C38 C38 C38 C38 C38 C38 C38 C38 C38 C38 C38 ,C38 C38 C38 C38 C38 C38 C38 C38 C38 C38 C38 ,C38 C38	OCIAD1
VFAEC*NDESFWFR	1.750		
SSEC*LDGTLTPSDGQSMER	1.750	C13 C110 C110 C21 C13 ,C13 C13 C110 C110 C21 C13	MON1A
QALVNC*NWSSFNDETCLMMINMFDK	1.749	C146 C146 ,C146 C146 C146 ,C146	PEF1
ELELMFGC*QVEGDAAETPPRPR	1.747	C251 C277 C251 C277 C251 C277 ,C251 C277 C101	MAP2K1
		C35 C40 C40 C35 C35 C35 C35 C35 C35 C35 ,C35 C40 C35 C35 C35	ZNF250
LTFEDVAVLLSQDEWDRLC*PAQR	1.745		
SSNYLSC*R	1.745	C1262 C1262 C1262	SETX
LRPFVDGTAGASDPPC*VR	1.744	C65	KIF22
ILHFLQDASIGELTLIPQC*SQK	1.744	C407 C407	SMARCAD1
NLFEDQNTLSIC*EK	1.744	C344	CSE1L
SGAAWTC*QQLR	1.742	C87 C67	MRPL47
TTLVC*PYLVDTGMFR	1.741	C242	RDH10
IEGDMIVC*AAYAHLPK	1.741	C76 C26	RPL5
DWC*PWVNITLGK	1.741	C408 C429 C386	ZC3HC1
GNMNC*GAFQAHQMR	1.741	C582 C582 C582 C319	TRIM33
ADC*PTMEAQTTLTTNDIVISK	1.740	C263	IK
		C1031 C1034 ,C1031 C1034 C1031 C1034 ,C88 C1031 C1034	NOL6
QAVDSPAASFC*R	1.738		
VLLISGFPVQVC*K	1.738	C109 C109 C105	TDRKH

FM+ADC*PHTIGVEFGTR	1.738	M37,C40 M37,C40 M37,C40 M37,C40	RAB14
NAEDC*LYELPENIR	1.735	C145 C70	C9orf78
KLIVVGDGAC*GK	1.735	C16 C16 C16	RHOC
SLSTTNSSSSSGAPGPC*GLAR	1.735	C277 C326 C361 C327 C276 C326	mk11,MKL1
IWDTASGQC*LK	1.732	C205	WDR5
EVAESC*KDIK	1.732	C187 C144 C222	IDH3A
TAC*GFCFVEYYSR	1.732	C11 C11 C81 C63	NCBP2
GPC*VSENEIGTGGTCQWK	1.731	C403 C432 ,C230 C403 C432	SEC23A
LADQC*TGLQGFLVFHSGGGTSGSFTSLL MER	1.731	C129 C199 C129 ,C129 C129 C129	TUBA1C,TUBA 1B,TUBA1A
SDQGVGPGGTGGSGSSPNDPVTNIC*QAA DK	1.731	C150 C340 C340	RXR8
C*SDAVPGGLFGFAAR	1.731	C19	GEMIN5
SAGC*GGGGAGGGGSSSGGGSPQSYE ELQTQR	1.731	C81 C14	TWIST1
KASATC*SSATAAASSGLEEWTSR	1.729	C429 C405 C405 C212 C307 C434 C429	OTUD5
GMLLGVFDGHAGC*ACSQAVSER	1.727	C174 C149 C149	PDP1
RSDAEEVDFAGWLC*STIGLNQPSTPTHAAG V	1.727	C350 C376 C200	MAP2K1
TC*GPLTDEDVVR	1.727	C282	DUS3L
MAQDLKDIEHLNTSGAPADTSDPLQQIC*K	1.726	C475 C399	NUP62
YVLC*TAPR	1.726	C405 C360 ,C405 C370 C360	MCM3
C*ELENC*QPFVETLHGK	1.723	C100,C105	PPAT
LQVEPAVDTSVQC*YGPPIEGQGVFR	1.723	C1233 C1260 C1260 C1260 C1233 ,C1260 C1260 C1260 C1233	FLNA
VQYLEDTDPFAC*ANFPEPR	1.722	C31	FHOD1
HTEVPTGTC*PVDPFQAQWAALENK	1.721	C454 C465 C563 C467 C600 C611 C405 C416 C552 ,C467 C600 C611 C467 C600 C611	NUMB
EC*GQPAGQVAVLPEVQVTQNPAEQESA EPK	1.719	C3566 C3607 C3604	KMT2A
YC*LTAPNYR	1.718	C121 C121 C121 C121 ,C121 C121 C121 C121 C121	TAF9,TAF9B
VLAGLVSGEGLLC*ASK	1.718	C160 C175 C175 C340 C108 C108 C95	ZNF268
KAVAIPVFANGNIQC*LQDVER	1.718	C213 C213 C81 C196 C213	DUS1L
SQAPC*ANKDEADLSSK	1.718	C301 C300 ,C301 C301 C300	TMEM209
HISPTAPDTLGC*YPFYK	1.718	C419 ,C419 C384	POLD2
C*NEGPILELENLPQNGR	1.716	C73 C132 C87 C198 C198 C173	PLAUR
ASTASPC*NNNINAATAVALQEPR	1.716	C598 C605 C599 C528 C528 ,C598	LARP4
GGGGGPC*GFQPASR	1.716	C17	PURB
TIESIQLSPEEYEC*LK	1.715	C272 C351 C367	KIAA0391
NHVLETFYPISPIDLHEC*NIYDVK	1.715	C268 C268	MRPL37
NSSC*GGGSSSSSSR	1.713	C34	OSBPL11
SEGGSGGGAAGGGAGGAGAGAGC*GSGG SSVGR	1.712	C32 C32 C32 C32	BMP2K

GGTC*AVAAPFDVHIPEATK	1.712	C270 C270 ,C270 C270 C270	TRMT2A
LSSDATVLTPTNESSC*DLMTK	1.712	C155 C188	AP1AR
SVVIDCSSSQPQFC*NAGSNR	1.711	C288 C288	C17orf75
IVLAGC*VPQAQPR	1.709	C138 ,C138 C68	CDKAL1
YEVCDIPQCSEVECM+TC*NGESYR	1.707	M207,C209 M212,C214	HGF
TVFAEHISDEC*K	1.707	C114	RPL3
LSPC*VPAKPPLAEFEEGLLDR	1.707	C481	NAB2
LVHIPTGLVVEC*QQR	1.707	C348 C335	MTRF1
EC*AEVAPQVAGEPASELDDVPK	1.706	C24	ZFP64
C*AVSEAAIILNSCVEPK	1.706	C844	ZFR
GVDC*LSSHQFELSIIYQDQEQR	1.705	C168 C125 C168 C125 ,C120 C125 C125 ,C168 C125	ADAR
YNEAESC*DC*LQGFQLTHSLGGGTGSGMG TLLISK	1.705	C57,C59	TUBB4A
QPAAC*PGGEEVDGAPR	1.705	C233 C233 C233 ,C233	GTFC32
LDEDLAAYC*R	1.704	C91 C91 C111 C91 C91	CNP
RADGEAPSALPYC*YFLQK	1.704	C305 C355 C305	EEF1D
FQGSQGHISIPQPC*PAEAR	1.703	C70	ELL
LHMTIFSQSVSPC*GK	1.702	C35	THOC6
GVAQTPGSVEEDALLC*GPVSK	1.702	C79 C79 C79	MGME1
NTFIGTPYWMapeVIAC*DENPDATYDYR	1.702	C202 C202 C202 C202 C65 C202 C202 C164 C202 C202 C202 C202 C202 C202 C202 C202 C202 C202	MAP4K4,MINK 1
EEEVSC*SGPLSQK	1.701	C203 C203	ANAPC5
YFGC*ELGAQTQFDVK	1.701	C59 C59 C59 C59 C59	EIF5
INQMVC*NSDR	1.700	C853	RB1
EPVGTG*FLQDGTK	1.700	C112 C158	ITGAV
LCLNIC*VGESGDR	1.699	C24 C25 C24 C25 ,C24 C25 C23	RPL11
GLQDTGGTVNYFWGIPFC*PDGVDPNQYTK	1.699	C283 C205	UIMC1
HFETSMIC*R	1.698	C68 C68 C68	THAP12
GLCLYYEDC*IEK	1.697	C187 C225 ,C169 C212 C225 C169 ,C169 C187 C212 C225 C169	DNAJC7
TATGC*YIGWCK	1.697	C74 C69 C74	APOOL
ALEAASLSQHPPSLC*ISDSEEEEEER	1.697	C60	RRP8
MIAVC*QNVALSAEDK	1.696	C99 C109	MRPL10
IIC*DGSASM+QAR	1.695	C178,M184	IFRD1
VLGMELAGGVPLDQC*QGLSQDLR	1.694	C335 ,C335 C294	ADCK4
ELQANC*YEEVKDR	1.694	C122 C139 C177	CFL1
C*TDEEQMFGFIER	1.693	C46 C46 ,C46 C46 C46 C46	FASTKD1
QNLSKEELIAELQDC*EGLIVR	1.691	C48	PHGDH
ILATGANVILTTGGIDDMC*LK	1.690	C296	TCP1
SCSSSC*AVHDLIFWR	1.690	C46	RTN3
EGAC*DELFSYLIEK	1.689	C188 ,C188 C188	PRAME
EEEEDDDC*PVR	1.689	C81	CCDC117
TPGAATASASGAEDGAC*GCLPNPGTFEE CHRK	1.689	C74 ,C74 C74	TOMM40
LDGIPDC*DISPVQIR	1.688	C53 C53 ,C53	MIS12

SAGGIGVAVSC*IR	1.686	C254	RRM1
GYGNSATAGYSDFFTDC*YGYHDFGSS	1.684	C693 C697	ILF3
TPESTKPGPVC*QPPVQSQR	1.682	C209	ANKRD40
DTEGGAAEINC*NGVIEVINYTQNSNNETLR	1.681	C340 C527 C356 C372 C527 C340 C527 C356 C372 C527 ,C340 C527 C356 C372 C527 ,C340 C527 C356 C372 C527 C340 C527 C356 C372 C527 C340 C527 C356 C372 C527	SRPK1
VC*EEIAIPSK	1.681	C35	RPS17
SAPAEQLRGPC*WDQSSK	1.680	C265	PINX1
DILKEM+FPYEASTPTGISASC*R	1.678	M348,C363 M308,C323 ,M348,C363 M308,C323 M239,C254	TMPO
VQENC*IDLVGR	1.677	C1035	SF3B1
THLC*DVEIPGQGPMCESNSTMPGGSLESP VSTPAGK	1.677	C150 C182 C165 C129	NIT1
DFVNEAISHWELQSEGGQSAAPSPASWAC* SPNLR	1.676	C125 C125 C125 C76	NSUN4
LLDLVQQSC*NYK	1.675	C30 C34 ,C30 C34 C30 C34	SNU13
GPSGC*VESLEVTCT	1.674	C646 C657 ,C657	QARS
AGVQPFTFDGVLMDLGC*SSMQLDTPER	1.671	C172 C172 C172 C172 C172 ,C172	METTL15P1,M ETTL15
YFNPTGAHASGC*IGEDPQGIPNNLMPYVSQ VAIGR	1.670	C196	GALE
MVHNGIEYGDMLIC*EAYHLMK	1.670	C186 C199	PGD
VLMVEEPSMNLEWLYGC*PPPYHTFEFPVY MKS	1.670	C498	MT
DAPAPAASQPSGC*GK	1.669	C22 C23 C13 C30 C22 C30 C22 C22 ,C23 C30 C22	SCLY
FITSSASDFSDPVYKEIAITNGC*INR	1.669	C75	ERI1
IAPQYYDMSNFPQC*EAKR	1.669	C774	DHX15
LDGHELPPPIAFDVEAPTLPPC*K	1.669	C373 C416	NXF1
SC*PVVQSSQHFLFDLPK	1.668	C441	MARS
IC*DEC*NYGSYQGR	1.668	C46,C49	PHF5A
QTYLPQPAIC*PDSVYK	1.667	C820	DDR2
THPSAAVPVC*PR	1.665	C361 C324 ,C361	MAP7D1
SSSSSSASAAAAAASSSASC*SR	1.665	C100 C100 ,C100	CKAP4
GLVCC*AYPPGAFVSVSR	1.665	C7 C27 C27 ,C27	PLAA
VSGTLDTPEKTVDSQGTPVC*TPTFLER	1.664	C237	NIFK
TEDYFPC*C*SERPQL	1.664	C210,C210	BLOC1S4
HC*NULLGDELLECLSWR	1.663	C120	C5orf51
SLQFYSVENGDCLLVR	1.663	C522 C573	TBCE
ATDSKEPPGELC*PDVLYR	1.662	C46 ,C46 C46 C46 C46	MSTO1
HILEDSC*AELGESK	1.661	C298 C286 C203	SDE2
C*SENKLPALQELPGLSHQYWSAPSDK	1.659	C99	APEX1
EADTDVQVC*PNYSIPQK	1.658	C239	TRMT1L
YLPALQGC*R	1.657	C98 ,C76 C432 C419 C422 C420 C409 C163 C409 C416 C417 C407 C375 C383 C418 C385 C202 C432 C98 C419 C76 C359 C385 C420 C416	CDK11A,CDK1 1B,CDC2L1

GLFGAGGAAGGC*GVAGAGADGYGYLAPP K	1.655	C176	FOXL2
AYEYVEC*PIR	1.655	C66	HCCS
AEPPQC*TSLAWSADGQTLFAGYTDNLVR	1.654	C286 C286 ,C286	RACK1
SGDAAIVDMVPGKPM+C*VESFSDYPLGR	1.653	M410,C411	EEF1A1
HIVVSC*AAGVTISSVEKK	1.653	C95 C94 ,C95 C94 C59 C59	PYCR2
KSDQALNC*GGTASTGSAGNVK	1.652	C185	RFXAP
AIQTVSCLLQGPC*DAGNR	1.651	C411 C426	UNC45A
HFLSDTGMAC*R	1.651	C119 C69 ,C119 C119 C69	NT5DC1
SAPSSPTLDC*EK	1.650	C203 C203 C28 C203 C56 C203	NDEL1
C*TKEEHLCTQR	1.649	C205 C226 C210 ,C226 C205 C226 C210	TPM3,DKFZp6 86J1372
MPC*ESSPPESADTPTSTR	1.649	C1372 C1373 ,C1372 C1373 C1013	MKI67
VTDDMYAEQTENPENPLRC*PIK	1.649	C701	QRICH1
NHAVVC*QGCHNAIDPEVQR	1.648	C361 C352	TES
C*TLDQAFR	1.646	C49 C49 C49 C32 ,C49 C49 C49	THOC1
GYDSAGVGFDDGGNDKWEANAC*K	1.646	C55 C55	GFPT1
AINILLEGNSDTSWETVGC*K	1.645	C104 C104 C104	UBAP2
LEPAGPAC*PEGGR	1.644	C595	COG8
NAGNC*LSPAVIVGLLKEASK	1.643	C369	PHGDH
TLLC*GYPNVGK	1.641	C127 C174	GTPBP4
EKQTETAADC*R	1.640	C674	ZNF217
EMDSC*PVVGEFPC*QNDINLSQAPALPQPE VIQNMTEFKR	1.640	C411,C419 C966,C974	IDE
DAPQPYELNTAINC*R	1.639	C324	MEPCE
KSPQELLC*GASLISDR	1.639	C391 C391	F2
YDDMATC*MK	1.637	C25	YWHAQ
SAASSVSFSPGGGGGAAAAAAC*R	1.637	C99 C99 C99 C99	MSANTD2
LFNTAVC*ESKDLSDTVR	1.637	C721	NAA15
AIYDTPC*IQAESEKWWQALK	1.636	C235 C255	PSMD12
TC*EERPAEDGSDEEDPDSM+EAPTR	1.636	C5,M22	WDR55
VGAPTIPDSC*LPLGM+SQEDNQLK	1.636	C338,M343 C349,M354 C274,M279 ,C349,M354 C338,M343	CLP1
GSDELFTSC*VTNGPFIM+SSNSASAANGND SKK	1.635	C23,M31 C23,M31 C23,M31 C23,M31 ,C23,M31 C23,M31 ,C23,M31	PTBP1
SDVC*TPGGTTIYGLHALEQGGLR	1.635	C235 C247 C235 C247 ,C235 C215 C247 ,C235 C247	PYCR1
DLC*FSPGLM+EASHVNDVNEAVQLVFR	1.635	C392,M398 C362,M368	CECR5
VC*CALLISESQK	1.633	C78 C78 C78 C103	ZNF346
VC*HLGDQLEGVNTPR	1.633	C111 C111	EXOC5
SAGDGTDWEKEDQC*LMPEAWNVDQGVITK	1.632	C316	STRN
RGFFICDQPYEPVSPYSC*K	1.632	C692	EPRS
C*LYASVLTQPR	1.630	C728	EEF2
VIEINPYLLGTMSGC*AADCQYWER	1.630	C116 C120 C120	PSMB8,PSM8
ELTNDGELILTMTADDVVC*TR	1.629	C131 C131 ,C131	CRABP2

VLEEVCA*ASPQPGALFVQSHLEDLKK	1.629	C799 ,C799 C738 C699	RRP12
EGEAAAVEGPC*PSQESLSQEENPEPTEDE RSEK	1.629	C448	METTL16
VQRPC*TSTPMIDSFVR	1.629	C504 C460 C456	USP10
HGVVSC*SGVAR	1.629	C135	CENPB
SQHDILQMIC*SK	1.627	C642 C643 C283 ,C642 C643	MKI67
SSIINSLKQEQMC*NVGVSMGLTR	1.626	C280 C268 ,C280 C268 C280 C268	GNL3
VVETSALLC*TAQHLLAAVQSSGAPATASGP QVDNTGGEPAWSPLRR	1.625	C150	NO66
IKELASC*NPVVLEESK	1.624	C254 C489 C543 C357	CDYL
GALEGSSC*PFR	1.623	C253 C282 C336	HMOX2
SLYTYC*PETEEINKLTGIGPK	1.622	C1389 C1416 C1405	CAMSAP2
QNPTVGSCHC*AGLFSTSVLGGSSSAPNLQD YAR	1.622	C1060 C1060 C1075	PPIP5K2
WDVLIQATQC*LNR	1.620	C336 C487 C387 C373 C398 C387 C487	HNRNPUL1
GTTEDDLVTGQVEEQC*VPAAEAEPVAVSE TTER	1.620	C367 C941 C1002 C565 C1002 ,C1002 C1002 ,C941 C1002 C1002	FAM208A
QIC*VMLETLSQSPPK	1.620	C163 C163	PCBP2
NQVFEPSC*LDAFPNLKDFISR	1.620	C70 C174 C174 C174 C174	GSTM2
SENC*GVPEDLLNGLK	1.620	C8	TTC1
YQIDPDAC*FSAK	1.620	C232	VDAC1
IHETQETTDKSADDAGC*QLQELR	1.619	C694	MORC3
HIIDPC*TLR	1.619	C1832 C1823 C1832	HUWE1
EDC*PGLNYAALVSGAGPSQAALWAK	1.617	C27 C27 ,C27	QPRT
NIC*FTVWDVGGQDK	1.617	C62 ,C62 C62	ARF5
VALLC*GPPGLGK	1.617	C568 C373 C373 C401 ,C568 C374 C373 C373 C401	CHTF18
DIILSSTSAPPASAPPLQLSEVNIPLSLGVC *PLGPVPLTK	1.617	C132 C419 C419 C600	CNOT3
TFLFC*TPFTPDGR	1.617	C1853 ,C1853 C1853	DOCK6
WGLGGTC*VNVGCIPK	1.616	C109 C59 C21 C158 C59 C209 C209 C111 C59 C174 C103 C21 C60 C63 C86 ,C109 C59 C158 C59 C209 C209 C111 C59 C174 C103 C60 C63 C86 C203 C203 C203 ,C109 C59 C158 C59 C209 C209 C111 C59 C174 C103 C67 C60 C86 C63 C54 C86	TXNRD2,TXNR D1,TXNRD3
EMNPALGIDC*LHK	1.616	C438 C493 C455 C472 C400	CCT5
EFYELDLSSLAPYSVDQSLSTAAC*LR	1.614	C186 C218	MAD2L1BP
KPC*AAEPALSAGSLAAEPAENR	1.614	C20 C265 C265 C265	ZBTB48
GEEGPPWC*FTSNPEVR	1.614	C184 C189	HGF
IGAAIQEELGYNC*QTGGVIAEILR	1.613	C112	NOP56
ILAAAIEVLSTEDC*VR	1.612	C360	PARS2
GYLLNEPGVQPTSVYGFDFSC*KEEPEIDSP GGDIGLSLQR	1.610	C274	IRF1
C*GSPSDSSTTEEMEVAVSK	1.610	C124 C62 ,C124 C62 C2	AKT2
TSC*SVYGWGYTGLINYDGLLR	1.609	C607 C612	HGF

GSLLLDGAGAGGAGGSRPC*SNR	1.609	C158	AJUBA
AYC*VLVTGPNMGGK	1.608	C1129	MSH6
GDPQVYEELFSYSC*PK	1.608	C417 C319 C460 C369	EIF3L
NGGGGGGGGSLHC*AGNGGGGGGGPR	1.607	C30 C30 C30 C30 C30 C30 ,C30 C30	SNX27
KDC*EVVM+MIGLPGAGK	1.606	C497,M501 C478,M482	HNRNPU
DQDGCLPEEVTGC*K	1.606	C267	ACBD6
RLEGIENDTQPILLQSC*TGLVTHR	1.606	C26 C26 C26 C26	SVIL
QTETAADC*R	1.606	C674	ZNF217
APDWVDAEEC*HR	1.605	C150 C166 C166	HGS
VIGIEC*SSISDYAVK	1.605	C101 C101 ,C101	PRMT1
AGVSGC*FSTFQPTTGHR	1.605	C48	THAP11
DKEEIVIC*DR	1.604	C29 C29 ,C29 C29 C29 C29	UBQLN4
LIEC*GWKDQLK	1.603	C40 C35 C40 C35 C35 C35 C40	ENY2
EGGGGISCVLQDGC*VFEK	1.602	C198 C198 ,C198	CPOX
DLSYC*LSGMYDHR	1.602	C267 ,C267 C267	HNRNPF
C*EFDSQASAPR	1.602	C221 C16 ,C221	XRCC3
SKDLC*SITVSGEEIPNMPPEMLK	1.601	C537	GLMN
HTNSVIC*K	1.601	C306 C283	SPRY4
GIAVIVTGQGEQC*ER	1.600	C85 C171	SPAST
VGESNLNGDEPTQC*SR	1.600	C549 C506 C570 ,C451 C549 C506 C570	MMS19
RQSGLYDSQNPPTVNNC*AQDR	1.600	C506 C445 C458 C511 C445 C506 C482	FNBP1
AQLNIGNVLPVGTMPGEGTIVC*C*LEEKPGD R	1.600	C114,C114	RPL8
DMEPEMVCIDSC*GR	1.600	C184	EXOSC3
KC*SLPAEEDSVLEK	1.599	C652 C635	MAP4
IVQQYHPSNNGEYQSSGPEDDFESC*LR	1.599	C124 C157	AP1AR
NNSGEEFDC*AFR	1.598	C564 C599	NSUN2
DHVFLC*EGEEPK	1.598	C83 C102 C102 C102 C106 C146 C118 C118	HN1L
SVC*PVTSGFSSPSPSAAAAAQEVR	1.597	C5	CUL4B
EREDESSMFDEYFQEC*QDE	1.597	C281 C291 C117 C320 ,C281 C291 C117 C320 C281 C291 C117 C320	GPN3
TFNGSIELC*R	1.597	C760 C715 C687 C714	ARHGEF2
DLSGKHPVSALMEIC*NK	1.597	C2061 C2380	SON
SLC*IGATYDVTDJR	1.596	C361 C344 C356 C222	PES1
DAAQAEAGTGLEPGSNGQC*SVPLKK	1.596	C59 C161 C147 C161 C147 C161 C161 C107 C107 C93 ,C59 C161 C147 C161 C93 C147 C161 C161 C107 C107 C93 C147	APTX
DADADAGGGADGGDGRGGHSC*R	1.595	C23	LAGE3
C*YLLVHQAQK	1.594	C186 C221	NSUN2
FIQQTYPGSGEEQAQYC*R	1.593	C40 C40	PDCD6IP

SC*QSATAPQQEADAEVNTETLNK	1.593	C935 C1036 C1062 C1089 C1082 C1062 C1016 C1009 C1082 C955 C1036 ,C1036 C1062 C1082 C1009 C991 C984 C1011 C1082 C964 C1011 C955 C1036 C1010 C935 C1089 C1062 C1010 C1016 C930 C1057 C1062 C943	ZMYND8
C*DISAEIQQR	1.593	C227 C227 C227 C227 C227 C227 C227 C227 C227 C227 C227 C227 C227	PML
LQLLDGEYEVAMQEMEEC*PISK	1.592	C302 C325	SUZ12
NTGDADQWC*PLETLTDAEMKK	1.591	C350 C341	SMARCB1
C*HLNFDPNAPGVAR	1.591	C342	SOCS6
VAAALENTHLLEVVNQC*LSAR	1.591	C158 C158 ,C158	FAM96B
ILLESVC*QQQSWVR	1.590	C58	RASAL2
YSNSALGHVNC*TIK	1.589	C301 C282 C254 C1101	RTN4
C*YLTMTQALEAR	1.589	C1888	DYNC1H1
TGC*PPALLGK	1.589	C756	ZNF217
GSAVATSHFEVGNTC*PSEFPSK	1.588	C1683 C1771	PHF3
IYEDCDGLEFESSC*SFIDLR	1.588	C462 C253 C462 C253 C462 C253 ,C462 C253	ESF1
IPSQPLDASASGDVSC*VDEILK	1.587	C315 ,C315 C315 C315 C40	AFF4
KDLLVENVPYC*DAPTQK	1.587	C46 C97 ,C97	LYRM7
NDSPWAPPGRDYFC*NR	1.585	C901	ZNF217
AGAPGPGGLGLC*SSSPTGGFVDASVLR	1.585	C162 C162 C162 C162 C162 C162 C162	EP400
FKTFGC*GSAIASSSLATEWVK	1.584	C95 C95 C95 C95 C70 ,C95 C70	ISCU
TENTIFSSTTLPRPGDGPAPPLPPDLQLEEE GTC*ANSSEMFLPLR	1.583	C215	BCL10
HSLALGSATEDKDSMETDDC*SR	1.583	C1159 C1270 ,C1270	NUP188
TGSLQLIC*K	1.583	C182 C9 C182 C182	ZFP91
ASNSLISGLSQDEEDPPLPPTPMNSLVDEC* PLDQGLPK	1.583	C419 C352 ,C419 C184 C352 C134 C237 C206 C187	PRUNE
LNLSC*IHSPVVNELMR	1.583	C106	NOP58
LVVQLHC*K	1.583	C114 C100 C114	RAD9A
DLAYSQSPQYHLSYSSSPEYTC*R	1.582	C770	ELFN1
GLMGMC*VNER	1.582	C110 ,C110 C50 C50 C110	FKBP10
TYSEC*EDGTYSPEISWHHR	1.582	C216 C273 C419	PTDSS1
NVQPFSDDEDASIEIEMSHC*SGYSDPSSFAED GPEVLDEEGTQEDLEYK	1.581	C54	IFRD1
RYC*DPVVLTYQAER	1.581	C1536 C1536 C1541	CNOT1
VIGVELC*PEAVEDAR	1.580	C463 C463 C481 ,C463 C481	TRMT2A
NEDEEGYVPTSYVEVC*LDK	1.580	C604 C543 C556 C609 C543 C604 C580	FNBP1
GLMAIDC*PHTGIVDYR	1.580	C187 C187 C187	L2HGDH
RVDDFEAGAAAGAAPGEEDLC*AAFNVICDN VGK	1.580	C98	FADD
AEAGEAGQATAEAEC*HR	1.579	C274 C216 C258	ASMTL
SSC*PLANSQYATIKKEK	1.578	C44 C47	MAK16

LSHAVGCAFAAC*LER	1.578	C154 C165 ,C154 C165 C165 C21 C154 C165 C154 C165 C154	NUMB
FC*SDCIVTALR	1.578	C69	RING1
M+GSDLVSQLQDIC*IDSASSVR	1.578	M215,C226 M70,C81	CAAP1
EKEC*GVTATFDASR	1.578	C165 C176 C176 C32 C165 C176 C165 C176 C165 ,C165 C176	NUMB
SPPTVLVICGPGNNGDGLVC*AR	1.578	C127 C24 ,C127	APOA1BP
SQDIDADGQGF*QGGFSDFTK	1.578	C139 C185	ITGAV
SFEC*LLGLNSNIGIR	1.577	C88 C39 C88	ORC6
DLLGLC*EQKR	1.576	C528 ,C528 C528	XPO1
HSLNSSASTTEPDFQKDILIAC*R	1.576	C1043	LRPPRC
SKDAAFQNVLTHVC*LD	1.576	C359	ATAD1
SNLQEIFLPAFPC*HER	1.576	C337	ZDHH4
KNVLVIGTTGSQTTFLPEGELPEC*AR	1.575	C361 C361	DDI2
VNTADQC*ANR	1.574	C70 C70	HGF
MPAC*NIMLLGAQR	1.573	C247 C247 C247 C247 C247 C167 C247 C247	PRPF31
RFSFCC*SPEPEAEAEAAAGPGPCER	1.573	C27	SQSTM1
SFVQWLGC*R	1.573	C610 C663 C610	MGEA5
NC*NHFSSALSEILCGK	1.573	C75 C108	DESI2
NHIENQDEC*VLNVISHAR	1.572	C153 C153	MRPL37
VTDETSGC*SLTCAQFHPDGLIFGTGTMSQ IK	1.571	C351	PRPF19
VGM+GSGSIC*ITQEVLACGRPQATAVYK	1.571	M325,C331	IMPDH2
AVYLVC*NYAPK	1.570	C209	PI15
DREGYTSFWNDC*ISSGLR	1.570	C84	GOLPH3
AVC*M+LSNNTAVAEAWAR	1.569	C376,M377 C446,M447 ,C376,M377 C376,M377	TUBA1C
ENSQLDTSPPC*LGGNKK	1.568	C126	BOLA1
IAC*DEEFSDSEDEGEGRR	1.568	C387 C417	HDAC2
PVGAVINC*ADNTGAK	1.568	C28 C28 C32 C28 ,C28	RPL23
C*LLIHPNPESALNEEAGR	1.567	C118 C147 C118 C147 ,C118 C147	UBE2S
DNMAQEGVILDDVDSSVC*R	1.567	C96 C184	NTMT1
MVPGKPM+C*VESFSDYPLGR	1.566	M410,C411	EEF1A1
NGYDYGQC*R	1.566	C80	SRSF9
VHNQDPKDWPAQYC*EALADEENR	1.565	C283	NSMCE3
VPAGC*PGPQPAPTQELSLQVLDLQSVK	1.564	C340	CBX2
THLC*IAQELSDYAAQGR	1.564	C375 C502	TTC28
C*SDAAGYPHATHDLEGPPLDAYSIQGQHTI SPLDLAK	1.564	C201 C201 ,C201	PCBP1
LSNC*DPPPTYEEATGQVNLQR	1.563	C166	PRRG1
C*LQNPSSDIR	1.563	C2558	GCN1
VSVC*AETYNPDEEEEDTDPR	1.562	C101 C101	PRKAR2A
ASLNGADIYSGC*CTLK	1.562	C201 C260 ,C127 C201 C260 ,C260	HNRNPL
GTDIMYTGTLDLDC*WRK	1.560	C257	SLC25A5
GVSTLC*EEHVEPETTLPAR	1.559	C78	KNOP1

NSIASC*ADEQPHIGNYR	1.559	C46 C46 C46 C46 C46 C46 C46 C46 C46 C46 ,C46 C46 C46 C46 C46 C46 C46 C46 C46 C46 C46 C46	MARK3
TDLVPAFQNLMKDC*EAEVR	1.557	C294	PPP2R1A
HEVTIC*NYEASANPADHR	1.557	C186 C187 C74	PITHD1
AHNVPVLVCCETYKFC*ER	1.557	C444 C465 C441 C464 C443	EIF2B4
RYEPYGMYSDDDANSDASSVC*SER	1.557	C815 C813 C815 C807 C588 C807 ,C815 C813 C815 C807 C588 C807 C835 ,C835	CLASP1
RNFILDQC*NVYNSGQR	1.556	C538 C538	HNRNPUL2
IC*EPGYSPTYK	1.556	C211	CTSB
LAYVSC*VR	1.556	C1133 C1208 C1160 C1198 C1199	PNPLA6
QLLC*TNEDVSSPASADQR	1.556	C70 C70	SFXN4
GGLSVHTC*SSASQSEASSMVNFPAYSVR	1.556	C377 C377 ,C377	FARP2
FVLSGANIMC*PGLTSPGAK	1.555	C114 C101 C113 ,C113	MCTS1
ITVAEC*IETQSK	1.555	C158 C138 C158 C158 C113 C133 C133 C158 C133 C133 C158 C158 C133 C138 C165 C138 C133 C138 C133 C133 C138 C65	ZMYND8
LVVDFSATWC*GPCK	1.554	C32	TXN
AIALFTPDAC*GLSDPAHVESLQEK	1.553	C316	NR2F6
GVLIGAASQFEAC*R	1.553	C217 C138 C217 C241 C88	SHOX2
ASIGAGFIYPLVGTMTMPGLPTRPC*FYDID LDTETEQVK	1.552	C961 C962 C896	MTHFD1L
CFC*QVSGYLDDCTCDVETIDR	1.551	C37 ,C37 C37	ERO1A
GC*VNYEGADRVEFVIETAR	1.550	C40 C40 ,C40 C40 C40 C40	IRF2BP2
C*SEGSFLLTTFPR	1.550	C208	NONO
WEALHAAECPC*GPSLIR	1.549	C178	HCCS
GAGAASSTDSLDTLSNGPEGC*MVAVATSR	1.548	C87 C87	NEFH
AHVFEC*NLESSVESIISPK	1.548	C35 C35 C35 C35 C35	RAD21
GSSGAPVYVDLAYIPNHC*SGK	1.548	C2702 C2940 C2702	MAP1A
TAVTAAHAAAAVQNNQTNSTTPNSGGYP PSC*YQSDGR	1.547	C343 C162	PBX3
YGIC*MEDLIHEIYTVGK	1.546	C186 C146	RPL7
FPEGLITGSLPASC*QQALPPGSAR	1.546	C274	CEP41
ISC*LSFALDDDDQADAAEAR	1.546	C119	FAM50B
GGDGPMC*RPVILLPEDTTPPFLELK	1.545	C43 C1075 ,C1075	MSH6
C*PQPPQEQQQLNGLISPELR	1.545	C74	NAA30
IDC*FSEVPTSVFGEK	1.545	C384	NOP56

		C260,M261 C260,M261 C376,M377 C376,M377 C361,M362 C376,M377 C361,M362 C376,M377 C376,M377 C400,M401 C310,M311 C376,M377 C400,M401 C310,M311 , C376,M377 C376,M377 C376,M377 C400,M401 C310,M311 ,C376,M377 C376,M377 C376,M377 C376,M377 C376,M377 C400,M401 C310,M311 C376,M377 C400,M401 C310,M311 ,C376,M377 C376,M377 C376,M377 C376,M377 C376,M377 C376,M377 C376,M377 C376,M377 C376,M377 C376,M377 C376,M377 C400,M401 C310,M311 C376,M377 C400,M401 C310,M311 C376,M377 C400,M401 C310,M311	
AVC*M+LSNTTAIAEAWAR	1.544		TUBA8,TUBA1 A,TUBA3C,TU BA4A,TUBA1B
NAGNC*LSPAVIVGLLK	1.543	C369 ,C369 C369 C369	PHGDH
IIANALSSEPAC*LAEIEEDKAR	1.543	C3347 ,C3347 C3347	PRKDC
LVEWIIQC*GPDVGRPDR	1.543	C38 C38	TAGLN
C*PQIVIAFYEER	1.542	C160 C160 ,C160 C160 C160 C160	CBX5,CBX3
QLLPCEMAC*NEK	1.542	C95 C287 ,C287	NANS
LAMDFGGAGAAQQGLTDSC*QSGGVPTAV QNLAPR	1.541	C494 C510	PABPC4
TDGEGEDPEC*LGEKG	1.541	C340	IRGQ
SSGEIVYC*GQVFEK	1.540	C64 C64	RPL18A
VC*NVAPIAGETK	1.540	C336 ,C336 C188	GNL2
NSNQLGGNTESSESSETC*SSK	1.540	C503 C504 C564 ,C211 C503 C504 C564	CNOT10
C*VDFDIIGIIGEGTYGQVYK	1.540	C722 C701 C701 C723 C87 C722 C723 C87 ,C722 C701 C701 C723 C87 C722 C723 C87 C722 C701 C701 C723 C87 C722 C723 C87 ,C722 C723 C722 C723	CDK13,CDK12
AAQGPAPAVPPNTDVM+AC*TQTALLQK	1.538	M150,C152 M113,C115 M144,C146	SSSCA1
AGEGTYALDSESC*MEK	1.537	C272 C255 C133 ,C272 C255 C272 C133 ,C272 C255	PES1
SLSPDC*GGSIEVMQSFLK	1.536	C866 C810	WDR36
DC*EIKQPVFGANYIK	1.535	C58 C80 C80 C58 C80 C80	WBP2
YSWSGEPLFLTC*PTSEVTELPACSQCGGQ R	1.535	C278	PDCD2L
GIC*QSEENGSLK	1.534	C127 C135 C135	FAM45A,FAM4 5BP
SSPVPHYMVSSVLELPAQQSIDC*K	1.534	C242 C242 ,C242	NANP

C*IPEIDDSEFCIR	1.534	C168 C168 C137 C176	PSMG2
M+VYSTC*SLNPIEDEAVIASLLEK	1.533	M281,C286 M316,C321	NSUN2
SSVQEEC*VSTISSSK	1.533	C78 C78 ,C78	TRMT10C
SITVIC*DFYSLIR	1.533	C42 C42 ,C42 C42 C42 C42	HSDL1
KTHLCDVEIPGQGPM+C*ESNSTMPGPSLE SPVSTPAGK	1.532	M160,C150 M192,C182 M175,C165 M139,C129	NIT1
VILMESLC*QQSDKLEHFSR	1.532	C450 C450	SPECC1L
LVLGNLSGTDQLSC*NSEQKPDR	1.531	C188 C188 C188 ,C188 C188 C188 C188	PTPN13
SLIC*NVGAGGPAPAAGAAPAGGPAPSTAA APAEK	1.531	C61	RPLP1
NC*GFVAFMNR	1.531	C319 C320 ,C319 C320 C319	U2SURP
HSLCLQPDGSGPPELGSSPPVLC*SNSSSL GSSTPTGAACAPGDYGR	1.530	C128	MEOX2
LISPNLGVVFFNAC*EAASR	1.530	C342 C316	MAP1S
ATC*APQHAGPGGPADASK	1.529	C2503 C2543 C2535 C2516 ,C2211 C2503 C2543 C2535 C2516	FLNA
YPEDDPDYC*VWVPPGQSGDGR	1.529	C774 C720	SLC4A1AP
C*LDSEVTFEILSDDYSK	1.528	C92 C92 C92 C92 ,C92	NOL10
GQVLSTINTNQMNTHAAVSPC*GR	1.528	C204 C240 C240 C204 C240 C240 ,C204 C240 C240	TBL2
VILC*QLEVYQK	1.528	C298 C220	UIMC1
DPSMSPLGVATLTPSSTC*PSLVEGR	1.528	C1617 C1609 C1508	KIF1A
SKADC*PTMEAQTTLTNDIVISK	1.528	C263	IK
ISHESPGSSQC*LLEYLLSR	1.528	C52	ENTHD2
GRDGTGMLYAFPPC*DFSQQYLQSALR	1.527	C859 C859 ,C859	RBM15B
IFGSIPMQAC*QQK	1.527	C393	ZCCHC8
NIYYLC*APNR	1.527	C501 C448 ,C448	TRAP1
QSQTTSIASEDPLQNLCLASQEVQLQK	1.526	C40 ,C40 C40 C40 C40 C40 C40	DTWD1
TTSILC*LAR	1.526	C88 ,C88 C88	RFC2
AAADGDRDC*VLQK	1.526	C415	ADCK4
SAIPEQIISSTLSSPSSNAPDPC*AK	1.526	C284 C42 C307 C42 C284 C42 C42 ,C307 ,C284 C42 C307 C42 C42 C42 C42 C284 C42 C42 C42 C42	POM121C,PO MZP3,POM12 1
NKDDEC*FGDDIEEIPDTDFDFEGLALFDK	1.525	C191	EDC3
SQQDTFLPHVEC*GTITLIGATTENPSFQVNA ALLSR	1.525	C127 C347	WRNIP1
VITVDGNIC*TGK	1.524	C67 C67 C67 C67 C67 C67 ,C67 C67 C67 ,C67 C67 C67 C67	NDUFA10
YRPDMPC*FLLSNQNAVK	1.524	C129 C129 C129 C48	DLGAP5
LLGPTVMLGGC*EFSR	1.524	C667	KRI1
TYTESYIARPDGDC*ASSLNGGNIK	1.524	C148 C276	ZC2HC1A
LTGIKHELQANC*YEEVK	1.524	C122 C139 C177	CFL1
EEVC*DEEALLGMDLVR	1.522	C95 C102 C102 C102 C102 C102 C102	SCRN3
EAGPELSSEC*R	1.522	C1233 C1233 C1233 C519	ARHGEF40
NQASCWSC*YSFASMGMLEAR	1.521	C258 ,C258 C258 ,C215 C258 C215 C258	CTSC

VVVIYC*TSFLAVEEDKQQK	1.520	C246 C257	CHERP
ILQACGGNSLGSYSASQGVNC*IR	1.520	C158 C58	GPT2
VFSANSTAAC*TELAKR	1.520	C19 C48	PRPSAP1
AGESVLVHGASGGVGLAAC*QIAR	1.520	C166 C166 ,C166 C166 C166 C166	CRYZ
CIDTESLC*VVAGEK	1.520	C122 C122 C106 ,C122 C122 C122 C38 C38 C106	EXOSC9
GLAAALLC*QNK	1.519	C645	SART1
LC*QENQWLRDELANTQQK	1.519	C114 C114 C114 C114 C114 C114 C286 C114 C114 C114 C114 C114 C114 C114 C114 ,C114 C114 C114 C114 C114 C114 C286 C114 C114 C114 C114 C114 C114 C114 C114 C114	KLC1
KTSC*EFTGDILR	1.519	C102 C112	ATP6V1B2
VNIEGGAIALGHPLGASGC*R	1.518	C360 C389	ACAT2
NGEMPEHSPSSSDPMAC*NSPQSPAVWE PQGSSR	1.518	C215	DLX5
AQHIVPC*TISQLLSATLVDEVFR	1.518	C49 C57 C137 ,C49 C57 C137 C53	RPA2
VLLSICSLLC*DPNPDDPLVPEIAR	1.518	C111 ,C82 C112 C82 C111 C111 C111 C82 C111 C113 C105	UBE2D2,UBE2 D3
NM+ITGTSQADC*AVLIVAAGVGEFEAGISK	1.518	M102,C111 M102,C111 M102,C111	EEF1A1,EEF1 A2
EIVHIQAGQC*GNQIGTK	1.517	C12	TUBB6
ITSEQAMQDPYFLEDPLPTSDVFAGC*QIPY PK	1.516	C130 C349 C349	CDK8
KADVIVLAGTVC*DFR	1.516	C247 C354 ,C354	ILVBL
LC*FHGLSSAVK	1.515	C55 C44 C7 C3 C44 C55 C44 C39	NELFA
TVTC*PMSGKPLR	1.515	C188 C185 C185	NOSIP
GSLTGVQTC*R	1.515	C753 C429	CD248
QHC*TEEDEEEDEEEEEESFMTSR	1.515	C296 C239 C296 C239 ,C296	PPP4R2
TSESLC*QNNMVILK	1.514	C164	XPO1
NAEFLTC*NIPSNASNMMVTTEK	1.514	C387 C392 C392 ,C435 C392	ADAR
VTDISGGC*GAMYEIK	1.514	C59	BOLA3
VVC*SSGAVGNYSGLAVK	1.513	C150	MGMT
YC*IGLNETQLGIIAPFWLK	1.513	C173 C114 C114	ECI1,DCI
ITTFPPVPVTC*DAVR	1.512	C135 C108 C108	TCEA2
TPDGNLDQC*K	1.512	C628	SLC7A1
RPEILTDESSLAVSC*PLTSLVSSR	1.512	C48 C105 C64	ATP5G2
AIVPPYSLC*QTGEDLPKDK	1.512	C686	OTUD4
LGHMACMVENE*EDPSQETITFLYK	1.512	C1275	MSH6
ADETKDEQFEQC*VQNFNK	1.511	C47 C47 C47 C47 C47 C47 C47 C47 C47 C47 C47	BIN1
VCETDGC*SSEAK	1.511	C14	METAP1
ESQIFPPTTGGAELMC*QDLEVPLLGR	1.510	C256 C245	NUBP1
KC*QGITAIEAQR	1.510	C766	RBM5
AESHND*PVR	1.510	C17	UPP1
SSGQSAQLLSHEPGDPPC*LR	1.509	C522 C399 C522	NUP93

EEC*DKYALQSQQR	1.509	C176 C179	ACAA2
EGVEC*EVINMR	1.508	C263 C245 ,C263 C245 C245 C245	PDHB
SGLTC*SMWDKNMEDLHR	1.508	C407 C412	HGF
VGMGSGSIC*ITQEVLACGRPQATAVYK	1.508	C331 ,C331 C331	IMPDH2
TPGAATASASGAEDGAC*GC*LPNPGTFE ECHR	1.508	C74,C76 ,C74,C76 C74,C76	TOMM40
FFIGQFSDDRHC*SR	1.508	C579	MSH6
LELASLQC*LNETLTSCTK	1.507	C394	DNAJC2
AC*AAGTPAVIR	1.506	C1070 C1139 C1139 C1139 ,C1070 C1139 C1139 C1139 C1070 C1139 C1139 C1139	HCFC1
TYLLDGSC*MVEESGTLLESQLEATKR	1.506	C2213 C2238 C2233 C2218	SPTAN1
LTDFGFC*AQITPEQSKR	1.505	C411 C313 C411 C411 C133 C390 ,C390 C133	PAK2,PAK1
HTPGDQDC*DELGR	1.505	C106 C27 C83 C66	CHTF8
QVHEIQSC*MGR	1.505	C18 C18 C18 C18 C18 C18 C17	GOSR2
LQDLSSC*ITQGK	1.504	C389 C389 C389 C389 C389 C389 C389 C389 C389 C389 C389 C389 C389	PML
LFPNTMLFASEAC*VGSK	1.504	C381 C294 C332 C294 C332 C361 C381	GBA
DIVENIC*GR	1.503	C330	TMPO
MSAALPAGLFAEQSLQALQQELAWEC*DYR R	1.503	C285	ADCK4
LLDLVVQPVP RPQSQC*SEFIQQSSMK	1.503	C1140 C1131 C1166	AHCTF1
LDSLGLCSVSC*ALEFIPNSK	1.503	C256	TACO1
GNVDGVAATPTAASASC*QYR	1.502	C30 C27 C30	ARV1
RIIC*SAGLSLLAEER	1.502	C107 C195	NTMT1
YTIGHAWTTDYGC*SDSK	1.502	C601	PREP
NLSEVPQC*VWR	1.501	C54	LRRC40
SFFDNISC*DDNR	1.501	C311 C375 C54 C334 C375 C50 ,C311 C375 C334 C375	LSM14A
LC*YVGYNIEQEQK	1.501	C221 C166 C226	ACTR2
TC*QENSDFVQQEQGISDLLGK	1.501	C2169 C1999 C2208	MGA
TTASEPVEQSEATSKDC*SR	1.500	C270	WTAP
SGGSTDSEDEEEEEDEEEEEDEEGIGC*AAR	1.500	C689 C689 ,C689	PPP6R1
IIGVHQEDELLEC*LSPATSR	1.500	C862 C961 C945 ,C961 C945	USP7
SGVIVLPC*GAGK	1.499	C342	ERCC3
EKSGIQPLC*PER	1.498	C341	TMPO
PPSGGLTDEAALSC*C*SDADPSTKDFLLQQ TMLR	1.497	C19,C19 C19,C19	GLO1
NPAVWLNTSQPLC*K	1.497	C359 C359	MBD2
EC*VGPPDPDLEPGETS	1.496	C782 C827 C796 C796	GRIPAP1
ALVPLGIGIATGEQC*HNR	1.496	C307 C126 C77 C231 C225	ENOSF1
EM+EHNTVC*AAGTSPVGEIGEEK	1.496	M1226,C1232 M1545,C1551 M1585,C1591 M1505,C1511 ,M1226,C1232 M1545,C1551	SON
ASHLLETLLC*K	1.495	C411 C411 ,C411 C411 C411 C411	CEBPZ

FTTSC*MTGYSPQLQLSSGGSGSYSPGVT YSPVSGYNK	1.495	C158 C157	TMEM209
LVFLAC*CVAPT NPR	1.495	C301	MCM6
DSPSQHSGRPSPGC*DSQTSQLDQPLFK	1.495	C2147 C2274	TTC28
AIHTAPVATMAFDPTSTLLATGGC*DGAVR	1.495	C129	TBL3
QHFSPLSLLTPC*SSASNDSSAQSVSSGVR	1.494	C2381 C2265 C2268 C2380 C1788 ,C2381 C2265 C2268 C2380	ANKRD17
FLTFKDC*DPGEV NK	1.494	C133 C133 C133 ,C133 C133	MRPL39
AGQC*VIGLQMGTK	1.494	C121 C185 C153 C164 ,C185 C153 C164 C185 C153 C164 ,C153	CNN2
DGPASEAALQLLC*R	1.494	C97	RNF187
NTPSFLIAC*NK	1.493	C179 ,C179 C179	SRPRB
LDPQC*WGVNVQPYSGSPANFAVYTALVEP HGR	1.493	C110 C110 C110	SHMT1
NYSWMDIITIC*K	1.493	C70 C64 ,C70 C64 C70 C64	ADI1
GFGFVITYSCVEEVDAA MC*ARPHK	1.490	C72 C94	HNRNPA3
TC*LSLWTAR	1.490	C265 C532 C519	FPGT
TLIQNC*GASTIR	1.490	C455 C417 C410	CCT3
NAFATPTISLQESC*DY LDR	1.489	C336 C336	SUPT6H
NGIQAMVEFESVLC*AQK	1.489	C212 C217 ,C212 C217 C212 C217 C212 C217 C212 C217	HNRNPLL
GLEC*SPSTPTMNSYFYK	1.489	C516	VAC14
SLNNPAMLQVLLQPQLC*GR	1.489	C362 C362	RAVER2
TRPSSLESVTC*WR	1.489	C101 C101 C123 ,C101 C101 C13 C123 C123	LRRC41
GTGASATTTTTSAVPC*VTNK	1.488	C295	PCBP2
SLDGLSEAC*GGAGSSGSAESGAGGGR	1.487	C176	C17orf59
AGQPHSSSDAAQAPAEQPHSSSDAAQAPC *PR	1.486	C56 C51 C39 C39 C51	MPG
LLPVEPC*DLTEGFDPSVPPR	1.486	C29 C34 C34 C34 C34	GEMIN2
YHPLSSC*LTAR	1.486	C721 C819 C776 C840	MMS19
EEGSAHLAVPGVYFTC*PLTGATLR	1.486	C72 C125	UBXN6
EGGQYGLVAAC*AAGGQGHAMIVEAYPK	1.485	C458 C436	HADHB
KQYDLTGNEEQAC*NHQNGR	1.484	C178 ,C93 C178	DNAJB14
KPVIAAVNGYAFGGGC*ELAMMCDIYAGEK	1.484	C143	ECHS1
TTSSANNPNLM+YQDEC*DR	1.484	M581,C586 M579,C584	DDX17
TNGVC*VDWRTPDFCAMSC*PPSLVYNHCE HG CPR	1.484	C2190,C2203	VWF
AGLGEGVPPGNYGNYGYANSYSAC*EEE NERL TESLR	1.484	C28 C28 C28 C28 C28 C28 C28 C28 ,C28 C28 C28 C28	BET1,DKFZp7 81C0425
SIC*EVL DLER	1.484	C161 C133 C94 C37 C127	DEK
KTFVGT PC*WMAPEVMEQVR	1.483	C191 C191 C237 C218	STK39,OXSR1
NPWPSDSSYPGPAAQGC*VR	1.483	C876 C1039 C1059 C1017 C875	CECR2
TIIGQQGDQSC*ANK	1.483	C607 C607	RFC1
LPSSSTWGQQSNTTAC*QSQATLSLAEIQK	1.483	C959 C932 C960 C938 C932	GIGYF2
VLGPYTF SIC*DTSNFSDYIR	1.483	C278 C278	UBA1
YGDSEFTVQSTTGHC*VHMR	1.483	C290	HNRNPF

LGSC*PIVVLNGER	1.482	C92	CYP1B1
VQTDAFVSNELDDPDDLQC*KR	1.482	C465 C486 C462 C485 C464	EIF2B4
C*NTNTAIELK	1.482	C27	HAT1
MTSLPLDTQC*GDYYALYTVPTQNVTPNTV NQQPGAQQLYSR	1.481	C87 C118 C87	SEC24B
SVLYGNLGAASC*TLQGPQFGSHG	1.481	C292 C131	PUSL1
STC*SLTPALAAHFSENLK	1.480	C450 C508 C553 C401	WAC
WGPPLVDGGSPISC*YSVEMSPIEKDEPR	1.480	C640 C696	FNDC3A
QAVLGAGLPSTPC*TTINK	1.480	C119 ,C119 C119	ACAT1
SSGFLPASQQAC*AK	1.479	C484 C529	TMEM214
FCSNLC*LPK	1.478	C223 C218 ,C223	GTF2B
DILC*GAADEVLAVLK	1.478	C133	SNRNP200
RGITNLC*VIGGDGSLTGADTFR	1.478	C114 C114 C185 ,C114 C185	PFKM
TCNC*ETEDYGEKFDENDVITCFANFESDEV ELSYAK	1.477	C391 C372 C391 C372 C391 C372 ,C391 C372	HNRNPU
DLLVAEAFSELNHLSPVQGTEASLC*APSV YEGK	1.477	C1421 C1412 C1447	AHCTF1
AQC*ETLSPDGLPEEQPQTTK	1.477	C3642 C3649 C3658	HUWE1
IDRYTQQGFGNLPIC*M+AK	1.476	C906,M907 C907,M908 C841,M842	MTHFD1L
VPTTLAIEYC*IK	1.476	C191	UBE2R2
C*SLAPLKEELR	1.476	C253	METTL16
DKGGINLTATC*PQSELDAETVK	1.476	C195	DRG1
SAVETQANNLIC*R	1.475	C641	ZNF217
ETEAALEFAQTQLAEQGEESREC*LTEMER	1.475	C139	GID8
YIPDEADFLGMATVNNC*VSYR	1.474	C468 C409	CASP8
VAPELMGTPDGTC*YPPPPVPR	1.474	C1889 C1826	CAD
GC*LELIKETGVPIAGR	1.473	C152 C208	MTHFD1
FMADC*PHTIGVEFGTR	1.473	C40 C40	RAB14
VVGSVGQHTGEPVEELALSHC*GR	1.473	C306 C306 ,C306	WDR55
MAVDGGC*GDTGDWEGR	1.473	C28	UBA3
AFQNTATAC*APVSHYR	1.473	C51	PHAX
C*GSGPVHISGQHLVAVEEDAESDEEEEEED VK	1.473	C104 C104 C104 C104	NPM1
HAC*VEVQDEIAFIPNDVYFEK	1.473	C575 C641 ,C575 C641 C641	MSH2
EQSTC*NFQAIVISLKEEFYTK	1.472	C1158 C1180 C1158 C1180	SMC1A
LC*PPVSGQAAMDIVNPPVAGEESFEQFS R	1.472	C376 C276	GPT2
HTGPGILSM+ANAGPNTNGSQFFIC*TAK	1.471	M100,C115	PPIA
IWDDGDDFC*IFSESR	1.471	C65 ,C65 C65	DHX57
IVADQLC*AK	1.471	C125 C138 C125 C125 C63 C125 C125 C125 C125	IST1
YIGENLQLLVDRPDGTYC*FR	1.470	C36 C36 ,C36 C36 C36 C36	NIP7
VGLPIGFSLPDC*LQVVR	1.470	C45 C109 C45 C45 C109 C45 ,C45 C109 C45	UBAP1
NLQTCMEVLEALYDGS LGDC*KEAAEIYR	1.470	C817	NAA15
LC*TSATESEVAR	1.470	C380	UQCRC1
MDVFYLQPEC*SSSTDSPVWYTSTSLDR	1.470	C1331	ZMYM2
IETSC*SLLEQTQPATPSLWK	1.470	C487 C405	NBN
INTQEPEETLDFDFC*STNVINK	1.470	C148 ,C148 C112	RAD1

RLTSSVSC*ALDEAAAALTR	1.469	C210 C95 C97 C210 C181	ANKRD17,ANKHD1
FQDEHEDWSIIIFTNTC*K	1.469	C258 ,C258 C151 C258 C151 C258 C151	DDX49
TPQPC*SRPASPEPELLPEADSK	1.468	C1636 C1628 C1527	KIF1A
KPLSLAGDEETEC*QSSPK	1.467	C188 C237 C239 ,C200 C188 C151 C237 C239 C95	TRPT1
HLLSLMGIPYLDAPSEAEASC*AALVK	1.467	C163 C99	FEN1
LTQNADC*VVLDNTALNR	1.466	C214 C201 C201 ,C201 C201	TUBG2,TUBG1
EC*LPLIIFLR	1.466	C41 ,C41 C41	RPS4X
EIGPNDGFLAQLC*QLNDR	1.465	C130 C171	DUSP3
QGEYGLASIC*NGGGGASAMLIQK	1.465	C413 C413 ,C413	ACAT1
AGASC*PSGGHVADIYLANINK	1.465	C820 C820 C819	SRGAP2
LTGAGGGGC*GITLLKPGLEQPEVEATK	1.464	C287 C58 C339 ,C287 C339	MVK
LHQEDQACATCLILACSTAAC*DR	1.464	C561 C502 C561 ,C561 C502 ,C561 C502 C561 C502	NUP155
MC*LDQYSM+LPATPWGVWEIHK	1.464	C64,M70 C166,M172	MTHFD2
IPHFGYC*DEIDLTELVK	1.464	C279 C279	DBT
SADLQTNGC*VTTARVPVK	1.464	C32 C32 C32	AS3MT
FIC*TTSAIQNR	1.464	C20 C20 C20 C20 C20 C20 ,C20 C20 C20 C20	ACLY
AVMEQIPEIQKDSLQDFDC*K	1.463	C1131	XPO5
LC*GSGFQSIVNGCQEICVK	1.463	C37 C89 C92 ,C89 C92 C89 C92 C89 C92 C89 C92 ,C89 C92 C89 C92	ACAA2
PAVLDDFVSTIDLPNYGC*TIPEK	1.463	C599 C604	HGF
MVSEAGTGFC*FNTK	1.463	C29	MRPL33
ILTAALTC*PK	1.463	C1086 C1135	DENND4C
LGGTC*VNVGCVPK	1.462	C102 C102 C59 ,C102 C102 C59 C102 C102 C59 ,C102 C59	GSR
QDPVTYISETDEEDDFMC*KK	1.462	C118 C118 ,C118 C118 C90	RFC1
LVC*SGENDNHGQIANLPSAVTSDQK	1.461	C1637 C1628 C1663	AHCTF1
DFQDYMEPEEGC*QGSPQR	1.461	C191 C152 ,C191 C152 C153	DYNC1LI2
VC*VIDEIGK	1.461	C110	NTPCR
LEDTHFVQC*PSVPSHK	1.460	C505 C521 C730	IRF2BPL,IRF2BP2
C*TVVSETISSK	1.460	C535 C535	SPTY2D1
VDVAVNC*AGIAVASK	1.460	C91 ,C91 C91	HSD17B10
C*SEGSFLLTTFPRPVTVEPM+DQLDDEEGLPEK	1.459	C208,M227 ,C208,M227 C208,M227	NONO
TFGC*GSAIASSSLATEWVK	1.459	C95 C70 C95 C70 C95 C70 ,C95 C95 C95 C95 C70 ,C95 C70	ISCU
LLPLPSC*LPALASSQVK	1.459	C29 ,C29 C29	R3HDM4
LGVPC*GEPALGGDASEEDHPQVCAK	1.458	C15 C15 C15 C15	SALL2
TFC*QLILDPIFK	1.457	C290	EEF2
C*DNSSMSLQMGYTQGANQSQGVFGLGR	1.457	C261 C229 C240 C261 C229 C240 ,C261 C229 C240 ,C229 C229	CNN2
AGGLQSDTEDEC*WSDTEAVPR	1.457	C200	REEP4

AYCHILLGNYC*VAVADAKK	1.456	C62 C62	SUGT1
ESVDGQWVC*ISDVNK	1.456	C302 C345 C285 C299	SEC13
GDSGAAPDVDDKLC*LR	1.456	C991 ,C986 C991	TP53BP1
FSFCC*SPEPEAEAEAAAGPGPCER	1.456	C27 C27 ,C27	SQSTM1
GWALYC*AGK	1.456	C171	SPR
GVSINQFC*K	1.456	C24 C50 C50 ,C24 C50 C50 C50	MRPL11
GVVLC*TFTR	1.456	C64	MRPS12
HFIMQVCEATQC*PDTR	1.456	C83 C228 ,C228 ,C83 C113 C228	KPNB1
ELDLSNNC*LGDAGILQLVESVR	1.455	C409	RNH1
QMCIC*ADFEK	1.454	C259	DARS
C*ELSGQWLAHAIQTVR	1.454	C541	EXOC2
KVLISDSLDPCC*CR	1.454	C18	PHGDH
C*EVDALKGTNESLER	1.454	C328	VIM
SC*SSSAVIVPQPEDPDRANTSER	1.454	C35 C77 C35	TRIP12
MWHPNIYETGDVC*ISILHPPVDDPQSGELP SER	1.453	C93 C60 C34	CDC34
GKLVDC*K	1.453	C234	SPR
LSSPC*IMVVNHDASSIPR	1.452	C200 C235	NSUN2
GNNFTANQNDDNIPNTTSDC*R	1.451	C438	ZBTB5
SYESSEDC*SEAAGSPAR	1.451	C378 C367 ,C378	ALKBH5
LKIPSQPLDASASGDVSC*VDEILK	1.450	C315 ,C315 C315 C315 C40	AFF4
AKADPDC*SNGQPQAAPTPGAPQNR	1.450	C275	CCDC94
NADC*LAELNEAMR	1.449	C207	IRF2BP1
VLITSQGYEQIC*K	1.449	C488	MED17
DPALC*QHKPLTPQGDELSEPR	1.449	C1320 ,C1320 C990	USP32
VFVLPC*IQIQIR	1.449	C34 C34 ,C34 C34 C34 C34 C34 C34 C34	FLOT1
LC*EEWPVDETKR	1.449	C13 C13 C13	UQCC2
SLADC*NFSYTSSR	1.449	C1317 C1317	RICTOR
KVIGIEC*SSISDYAVK	1.448	C101 C101 ,C101 C101 C101	PRMT1
TSVPAPLNSC*LLK	1.448	C116	GTF3C4
NHLVSATMSGVTTC*LR	1.448	C221 C239 C167 C239 C239 ,C221 C239 C239 C239 C239 ,C221 C239 C239 C239 C239 C239	TUBB4A,TUBB 2A,TUBB2B,T UBB,TUBB8,T UBB4B
AEFAAPSTDAPDKGYVVPNVLDLPLC*SSR	1.448	C89	EXOSC8
AFC*EPGNVENNGVLSFIK	1.447	C250 C250 ,C250	YARS
EKLNLSLSC*IHSPVVNELMR	1.446	C106	NOP58
TIEC*ISLIGLAVGK	1.446	C560 C578 C562	IPO5
TPHC*SGANDFEAPFEQR	1.446	C164	HOXC10
INQVFHGC*ITEGNELTK	1.446	C1904 C1904 ,C1904	PRKDC
SGPEAALYSHPLPESC*LGEHEVPVPSYYR	1.446	C137	HOXC10
HAWC*GGNFLEVTEQILAK	1.446	C21 C21 C21	VAMP7
VIEASDVVLEVLDDARDPLGC*R	1.445	C156 C144 C156 C144 ,C156 C144	GNL3

M+HYPMVEYC*TPTTSGEDVRDFAK	1.444	M284,C292 M892,C900 M284,C292 M892,C900 M1048,C1056 M284,C292 M3352,C3360 M3351,C3359 M3352,C3360 M3347,C3355 M3348,C3356 M3344,C3352	DMD
GHVISQIAQEAGHDLM+DIFLC*DVIDR	1.444	M420,C425	ERAL1
DC*QLNAHKDHQYQFLEDAVR	1.443	C232	TRIM28
HISESC*PFPSPGGQLAEVHSVSPEQGAK	1.443	C60 C60 ,C60 C60 C60	DDX59
VLGLGLGC*LR	1.442	C88 C88 C75 ,C88 C75	NUDT16L1
AHGC*FPEGR	1.442	C65 C65	IRF2BP2
LC*DFGVSTQLVNSIAK	1.442	C300 C264 C300 C110 C300	MAP2K5
SGGGSC*GGGGSYSASSSSSAAAAAGAAV LPVK	1.442	C46 C46	SUZ12
FSNPYSIEYSELDC*EEGWTQLK	1.441	C140 C140 ,C140	IFIT3
MRDVVLSIVNDLTIAESNC*PR	1.441	C1831 C1832 C2233 C2439	COL6A3
TSSINLVSSNAQHTC*K	1.441	C434	GPRIN3
FSFC*CSPEPEAEAEAAAGPGPCER	1.440	C26 C26 ,C26 ,C26 C26 C26 C26 C26	SQSTM1
SEDSAVNNTQNEGDGIAFSANVTPC*VSK	1.440	C842	NPAT
C*AAALMASR	1.440	C275 C297 ,C275 C275 C187 C297 C297	LRRC41
VTVLTHC*NTGALATAGYGTALGVIR	1.440	C168	MRI1
ALKDENLPPVIC*QDVENLQK	1.439	C252 C252 C199 C252 C240	NUP58
C*ASQAGM+TAYGTR	1.439	C173,M179 C132,M138 ,C173,M179 C127,M133 C132,M138	CNN3
FEETGQELAELLEEEKLSC*VPVLIFANK	1.439	C118	ARL3
VMEYQPSAVVLQC*GADSLSGDR	1.438	C232 C262	HDAC2
NTLANSC*GTGIR	1.438	C416 C393	NACC1,NACC 2
C*VESFSDYPPLGR	1.438	C411	EEF1A1
HATLSVC*YK	1.438	C68 C68 C68	MTA1
C*DQDVTHHWISFSGR	1.437	C104 C81	SPRY4
VSGPDPKPGSNC*SPAQSVLSEVPSVPTNG MAK	1.437	C23 ,C23 C23	UBA1
M+GIGLSENAAGPC*NWDEADIGPWAK	1.437	M485,C498 M418,C431 M485,C498 M503,C516	MAGED2
C*DQDAQNPLSAGLQGAC*LMETVELLQAK	1.437	C240,C256 C245,C261 C124,C140 C242,C258 C240,C256 C240,C256 C245,C261 C124,C140 C242,C258 C240,C256 ,C240,C256 C245,C261 C124,C140 C242,C258 C240,C256	DCTN2
C*GVPFTDLLDAAK	1.437	C112 C230 C149 C201 ,C230 C149 C201 ,C112 C155 C111 C230 C149 C201	AMPD2
VSDDVPDC*K	1.436	C52 C554 C578 C557	INTS9
DVIELTDDSFDKNVLDSEDVWM+VEFYAPW CGHC*K	1.436	M234,C245 ,M182,C193 M230,C241 M234,C245 M187,C198 M179,C190	PDIA6

MHYPM+VEYC*TPTTSGEDVRDFAK	1.436	M288,C292 M2015,C2019 M3355,C3359 M3356,C3360 M288,C292 M896,C900 M896,C900 M3352,C3356 M627,C631 M3348,C3352 M896,C900 M288,C292 M3356,C3360 M3351,C3355 M288,C292 M2012,C2016 M1052,C1056 ,M288,C292 M896,C900 M288,C292 M896,C900 M1052,C1056 M288,C292 M3356,C3360 M3355,C3359 M3356,C3360 M3351,C3355 M3352,C3356 M3348,C3352	DMD
AKPYEGSILEADC*DILIPAASEK	1.436	C209 C376 C243	GLUD1
C*FNLTNSFQPSLLGR	1.436	C894 C851	ADAR
DSHGQAAPC*MR	1.435	C244 C244 ,C244	FAM117B
TFIQC*SHFTEPENIDTGEKPYK	1.435	C212 C288 C265 C216 C239 C284 C261	ZNF195
DLIMDNC*EELIPEYLNfir	1.435	C178	HSP90AA4P
VYAVATSTNTPC*AR	1.435	C1044	CPSF1
IDRYTQQGFGNLPIC*MAK	1.434	C906 C907 C841	MTHFD1L
SFC*PTVNLDKLWTLVSEQTR	1.434	C70 ,C70 C70 C13	RPL27A
LC*SGVLGTVVHGK	1.434	C79	MTCH2
YC*NSLPDIPFDPK	1.433	C36 C26 ,C36 C26 C26	PAF1
SMVSPVPSPTGTISVPNSC*PASPR	1.433	C254	FOXK1
DEFTNTC*PSDK	1.433	C234	CLIC4
IQQFQVHYC*DR	1.433	C410 C127 C410	STAU2
YLHLLDGNENYPC*LVDADGDVISFPPITNSE K	1.433	C450	LRRC47
LALC*SADSVAFPVLTHSTR	1.433	C1138 ,C1084 C1129 C1103 C1138 C1111	GAPVD1
SAC*GNCYLGDAFR	1.432	C274 C261	CIAPIN1
KVIEINPYLLGTM+AGGAADC*SFWER	1.432	M104,C111	PSMB5
GDGQFFAVSVVC*PETGAR	1.432	C213	IKBKAP
GPPTTAVPC*PR	1.431	C38 ,C38 C38	FAM8A1
SGQGAFGNMC*R	1.430	C96 ,C96 C96	RPL4
TASLVLSLPAAYQC*LQR	1.430	C366 C366 C320 C366 C366 C320 ,C366 C366 C320	TRABD
DFQSC*FGLHETR	1.430	C41 ,C41 C41 C41	FAM60A
GDGPIC*LVLAPTR	1.430	C247 C247 C170 C170	DDX5,DDX17
VVVVASAAHC*R	1.429	C124 C174 ,C93 C124 C174	DHRS13
FC*NIMGSSNGVDQEHSNVVKGEK	1.429	C150 C11	TMOD3
VAASC*GAIQYIPTELDQVRK	1.428	C134 C134 ,C134	EIF3M
WLSDEC*TNAAVNFLSR	1.428	C350 C380 C345	ECI2
GGSC*SQAASSNSAQGSDESLIAC*KA	1.428	C351,C370	HLA
ENEITGALLPC*LDESRFENLGVSSLGER	1.427	C80 C80 C80	SAMHD1
CPALYWLSGLTC*TEQNFIK	1.427	C56 ,C56 C56	ESD
KIPC*DVTEAEIISLGLPFGK	1.427	C40 C74 C71 C37 C40 C68	PTBP3
LGNNC*VFAPADVTSEKDVQTALALAK	1.427	C58 ,C58 C58	HSD17B10

SDSHGLSSSLDSSSPGVGASC*RPSSQPI MSQSLPK	1.426	C873 C873 C872	SRGAP2
C*SSSSGGSSGDEDEGLDGLDAPGGGKR	1.426	C42	RCC2
GGEHEPPSRPC*GLLDEDEGSEPLPGPR	1.426	C698 C671 C38 ,C698 C671	RECQL5
AINC*ATSGVVGLVNCLR	1.425	C1448 C1446 ,C1448	FASN
GTWEELCNESC*EMENEVLK	1.425	C652	ACSL3
APVPLLPLPPPPPEPESEDPTSPPEPQD LSSSVC*KEEK	1.424	C425 C413 C413	MECP2
KLLDLVQQSC*NYK	1.424	C30 C34 ,C30 C34 C30 C34	SNU13
SPSVAAMASPQLC*R	1.424	C27	MPST
YEAAPFLSPC*GR	1.423	C143 C98 ,C98 C143 C90	C8orf82
TPGAATASASGAAEDGAC*GCLPNPGTFEE CHR	1.423	C74	TOMM40
TMMFSEDEALC*VVDLLK	1.423	C303 C303 C303 C303 ,C303 C303 C303 C303 C303 C303 C303 C303 C303 C303 C303 C303	KTN1
C*ALLAQANK	1.423	C34 C76 C34	ANKFY1
SC*DAASQAGSNYPR	1.423	C28 C28 C28	HSCB
DAVPATLHLLPC*EVAVDGPAPVGR	1.423	C34 C28 C34 C34	RNASEH2C
MMLC*TTSQFK	1.423	C141 C4 ,C141	CWF19L1
DEVDDGGPPC*APGGTAK	1.422	C17 C17	TMEM30A
SQIC*DNAALYAQKYDEEFQR	1.422	C272 C272	CSE1L
SPPAC*SSSSSLFSAVVAR	1.422	C165 C90 ,C165 C165	ERF
C*VFELPAENDKPHDVEINK	1.421	C121	VAPB
DLQSEFGITGDPQPSSFSPPSSWC*QGASQD YGLGGASPR	1.421	C749	TNKS1BP1
DITDPLSLNTC*TDEGHVVLASPLK	1.421	C244	MEPCE
AGLSPANC*QSDRVNLEK	1.421	C556	BMS1
GLPEAEDSPC*R	1.421	C1015 C1015 C968	RAI1
NAEFLTC*NIPTSNASNM+VTTEKVENGQE PVIK	1.421	C387,M398 C392,M403 C392,M403 ,C435,M446 C392,M403	ADAR
ENPC*QEQGDVIQIK	1.421	C475 C482 C471 C208	NELFA
VGIGPGSVC*TTR	1.420	C153 C187 C171 C186 C204 C204 C186 ,C153 C187 C171 C46 C186 C32 C158 C204 C204 C229 C186	GMPR2
NTLC*APEVISLINTR	1.419	C194	FAF2
LWC*VETGEIKR	1.419	C298 C297 C232 ,C298 C297	MLST8
AFPQLGGRPGPEGEGLSLEQPPPLQTQAC *PESSCLR	1.419	C79	HEXIM1
APIIC*VLGHVDTGK	1.419	C635 C635	EIF5B
LDGSLETTNEILDSASHDC*PLVTQTYGAAA GK	1.419	C393 C375 ,C375 C388 C393 C393 C375 C334	WIPI2
YDSYESC*DSR	1.419	C94 C128	AKAP8L
DAWASPC*HSYPLVATR	1.418	C374	SNTB2
CEYPAAC*NALETLIIHR	1.418	C610 C612	ALDH18A1
GLNPLNAYSDLAEFLETEC*YQTPFNK	1.418	C343	IFIT3
GSSC*FECTHYQSFLYER	1.418	C238 C188	COMT
SIEEAC*LTLQLHLNR	1.418	C160 C398 C160	MAP1A

LITETNC*QLWVVEEQSVSQIDGDFEDYKR	1.418	C769 C558 C807 ,C769 C558 C807 C769 C558 C807 C769 C558 C807	ABCF1
SNSLIHTEC*LSQVQR	1.418	C16	ORC4
GDQCC*YSHSPPTPR	1.417	C592 C621 ,C592 C621	TRMT1
VIQNSTEC*TDAQQASLLPSVPALK	1.417	C2518	ANKHD1
DM+EPEMVICIDSC*GR	1.417	M174,C184	EXOSC3
C*LEELVFGDVENEDALLR	1.417	C90	UTP18
ADTSQEIC*SPR	1.416	C1010 C1027 C1027 ,C1010 C1027 C1010 C66 C1027 ,C1010 C1027 C1027 C66	NUP98
RGSDELFC*VTNGPFIMSSNSASAANGND SK	1.416	C23 C23 C23 C23 C23 C23 C23 C23 ,C23 C23 C23 C23 ,C23 ,C23 C23	PTBP1
C*DQQQADPVAVAR	1.416	C942	HTT
LYDVC*PHVSDSGLFFDDSYGFYPGQVLIGP AK	1.416	C29 C244 ,C244	UBE20
LPIIGVVENMSGFIC*PK	1.415	C235 C224 C235 C224	NUBP1
SC*GPASQSTLGLK	1.415	C115 C254 C255 C240 C255 C241 C232 C256	NUSAP1
VFFVESVC*DDPDVIAANILEVK	1.415	C158 C158 C158 C158 C158 C158 C158 C158 ,C158 C158	PFKFB2
NYLSC*DVEVR	1.415	C385 C259	GPD2
LTIIVSDPSHC*NVLK	1.414	C87 C87 ,C87 C87 C87 C87	RPP30
GVEVIYLTEPVDEYC*IQALPEFDGKR	1.414	C576	HSP90B1
QC*EGITSPEGSK	1.414	C238 C238 C51 ,C238 C238	PPME1
AGQC*VIGLQM+GTNK	1.414	C153,M159 ,C185,M191 C153,M159 C164,M170	CNN2
AGDELAYNSSSAC*ASSR	1.414	C362 C239	CACUL1
GSDELFC*VTNGPFIMSSNSASAANGNDS K	1.413	C23 ,C23 C23 C23 C23 ,C23 C23	PTBP1
TVDEAC*LLLAEYNGR	1.413	C234 C234 ,C234	RPRD1B
LAQIHQQQDQC*VEITEESK	1.413	C112 C140 C105	DCTN3
C*QDLLSQTSSPLSQNDSC*TGR	1.412	C849,C866	ANKS1A
CHDFQC*ALLANLFASEGQPGK	1.412	C154 C135 C135 ,C154 C135	C11orf54
ANSSVSVNC*K	1.412	C543 C596 C543 ,C543 C596 C596 C543	MGEA5
ASHNNTQIQVVSASNEPLAFASC*GTEGFR	1.411	C111 C112 ,C111 C112 C111 C112	MRPS11
GQNGDDSSAGGDFPPPAEVEPTPEAELLA QPC*HDSEASK	1.411	C122	HEXIM1
TELFIAAEGIHGTGQFVYC*GK	1.411	C90	RPL8
QGFWEFETLQQQEC*K	1.411	C259 C259	PTPN11
INNNC*IFNVNEPATTK	1.410	C589 C650	GNPAT
PMPASSPVIC*AGGQDR	1.409	C194	PCBP1
SC*DPGLEDPCLNR	1.409	C706	XPO5
AVQC*LNTSSK	1.409	C2565 C2554 C2554 C2554	UBR4
ELFASALSNDLLQNC*QVSEEDGRGEPAM+ ESSQIVSR	1.409	C187,M200 C187,M200 ,C187,M200 C187,M200 C187,M200	PCM1
LIPDGC*GVK	1.408	C195 C195 ,C195	RPL10,RPL10 L

VSTALSC*LLGLPLR	1.408	C28 C28	RTCA
NDQNNCPVKPC*YLNILEDEQPLNSAAHK	1.408	C1872 C1817	PCM1
LLPASFPC*IFGPGENQPLSPEASR	1.408	C408	OPLAH
DC*GTSVPQGLLK	1.407	C23	LRRC40
FLC*YLSQAGFR	1.407	C656	TRMT1L
NAEFLTC*NIPTSNASNNMVTEKVENQEP VIK	1.407	C435 C392	ADAR
ISELSGC*TPDPR	1.407	C272 C272 C272	L2HGDH
LC*VPAMNVNDSVTK	1.406	C272 C260 C250 C353 C250 C352 C225 ,C272 C225	AHCYL2,AHC YL1
GNVAGDSKNDPPMEAGFTAQVIILNHPGQI SAGYAPVLDL	1.406	C363 ,C363 C361 ,C363 C363 C361 C361	EEF1A1
GAQDPTAFSVQDPWFC*EAR	1.406	C172	KNOP1
C*TSNP AEIAMFLEPLDLPNKR	1.406	C64 C64	SENP8
HSTIYPSPEELEAVQNMVSTVEC*ALK	1.405	C26 C40	STRBP
LEAIETQDPSLGC*GLPLNCTPIK	1.405	C172	ASF1B
TFSGHEDC*VR	1.405	C193 ,C170 C193 C193	PLAA
AIMMASQSLMC*GHQDVMVAGGMESMSNV PYVMNR	1.405	C142	ACAT1
TC*FSMVPALQQELDSRPQLR	1.405	C84 C84 C84 C84	ISOC2
C*NLHMNGNVITSDQPILLR	1.405	C346 C317 C363	POLDIP3
KPASFMTSIC*DER	1.404	C845 C835	ACLY
TDTVILIC*R	1.404	C111 C154	CACYBP
KC*EPIVM+TVPR	1.404	C345,M350	CORO1B
EPVC*SALNSAILETHNLPK	1.404	C337 C678 C449	RANBP9
VVECKPQPC*VVSVEGLSSSTTDAQLK	1.404	C1098 C871 C1098 C871	RBM33
GMGMNSPELLLLVENC*PK	1.403	C848 ,C848 C848	SYMPK
VTQNLPMKEGC*TEVSLLR	1.403	C308 C308	HNRNPUL2
LELLVGSPASC*MELELYGVDDKFYSK	1.403	C51 C51 ,C51 C34 C51	TBCB
EAGVGNGTC*APVR	1.403	C37	DCPS
STNC*FGDNDPIDVCEIGSK	1.403	C176 C161	PPA2
TLSFYFPPC*GK	1.402	C388 C388	ABCF2
GLPFGC*SK	1.402	C122 C122 C122 C27 ,C122 C122 C122 C27 C27	HNRNPH2,HN RNP1,HNRN PH3
AC*LAEAITLVESTHSR	1.402	C100 C100 C100 ,C100 C100 C100 C100	MMAA
SNVC*INGNHVYLEQPEAK	1.402	C318 C170 C170 C318	RAB11FIP1
RYESYGMHSDDDANS DASSAC*SER	1.401	C612 C644 C854 C633 C853 C854 C633 ,C854 C853 C854	CLASP2
TLTSC*FLSCVVCVEGIVTK	1.401	C164 C129 C119 C164 C129 C119 ,C164 C119	MCM3
DASALLDPM+EC*TDAAEQR	1.401	M285,C287 M285,C287	MCMBP
PKHEFSVDMTC*GGCAEAVSR	1.400	C12	ATOX1
GGC*NITAIQDVTGAHIDVDK	1.400	C1716	ANKHD1
QQC*AFIQFATR	1.400	C269 ,C269 C220	RBM22
YMPQNPC*IIATK	1.400	C138 C103 C138 C137 C138 C103 C138 C137 ,C138 C103 C138 C137	RBBP4
LC*SESPDNVVSTTGFSIK	1.400	C53 C53 C53	ARL15
VTC*LDPNPHFEK	1.399	C96 C96	METTL7B

AIAFTQYPQYSC*STTGSSLNAIYR	1.399	C196 C202 ,C196 C202 C196	FECH
RC*PGESLINPGFK	1.399	C180	C9orf142
LVIVGDGAC*GK	1.399	C16 C16 C16 C16 C16 C16 C16 C16 ,C16 C16 C16 ,C16 C16 C16 C16 C16 C16	RHOC,RHOA
ISPVDVNSRPSSC*LTNFFLNGR	1.398	C53 C248 C349	ASUN
VLQNMEQC*QK	1.397	C366 ,C365 C368 C366	SAAL1
SFIAAPC*QIITNTSTLLK	1.397	C44 C44 C44 C44 C44 C44 C44 C44	SGOL1,SGO1
GLC*EKPLASAAAK	1.397	C511 ,C511 C511 C545 C545	TNPO3
SC*VPLNTNELNSNENIHYK	1.396	C485 C512 C501	CAMSAP2
HAELIASTFVDQC*K	1.396	C283 C283 ,C283 C219	ATXN10
SNSPPALGPEAC*PVSLPSPPEASTLK	1.396	C140 C140 C140 C140 ,C140 C140	SHARPIN
VYAAEPSNADDC*YQSK	1.396	C217	SRR
LYEIGGNIGEHC*LDPDAYILDVYR	1.396	C543 C702 C538	ARHGAP28
KSELFNPVSLDC*K	1.395	C82 C82 C479	POLR2M,GCO M1
ALC*AIASLGSSDLLPQEILLR	1.395	C302	ENTHD2
WRPGDADGTDC*TSIGTIEQK	1.395	C350 ,C350 C350	DIDO1
YFC*HCCSVEIVPR	1.395	C13 C13 C13 C13	RNF126
DGEAPLDKAC*AEDDDEEDEEEEEEPDPD PEMEHV	1.394	C266 ,C234 C266 C210	MBD3
IGTSGGIGLEPGTVVITEQAVDTC*FK	1.394	C162 C162 ,C162	UPP1
EEPLSEEEPC*TSTAIASPEK	1.394	C507	NOP58
SADVTTSPYADTQNSYGC*ATSTPYSTSR	1.394	C306 C255 C306	TSC1
C*SWQDLKDFMR	1.393	C121 C121	SRSF6
GLC*ESVVEADLVEALEK	1.393	C79 C84 C84 C84 C79 C84 ,C79 C84	HNRNPLL,HN RPLL
LPTDLTAC*DNR	1.393	C111 ,C82 C111	NUDCD1
SSSQPSAIC*SAPATLTPR	1.393	C406 C320 C403 ,C406 C320 C403 C317	ACD
IPPC*ISNWK	1.393	C250 ,C88 C156 C250 C250	SNW1
AHQIFEEFIC*SEAPK	1.393	C123	RGS16
AADC*EVEQWDSDEPIPAK	1.393	C29 ,C29 C29	GRHPR
TSNLTENC*HLYEESPQIGSLGHADLR	1.393	C734 C734	FAM208A
M+FHPNVYADGSIC*LDILQNR	1.393	M76,C88 M76,C88 M1,C13 M76,C88 M43,C55 M76,C88 M75,C87	UBE2A,UBE2 B
KVVG*SCVVVK	1.392	C106	RPS12
AM+AHCQSQEALIVGGVGC*NVR	1.392	M249,C265	OSGEP
LC*ASGAGATPDTAIEEIK	1.392	C31 C31	NUBP1
C*PIQLNEGVSFQDLDTAK	1.392	C179	C5orf51
LEGIPAYIVVPQTAPDC*KK	1.391	C113	SRR
NC*GSPGSSQLSSNSLYAK	1.391	C40 C400 C400 C392 C400	HBP1
IVQTL*TVR	1.391	C147	ADCK4
SDITKLEVDIAVNAANSSLLGGGGVDGC*IHR	1.390	C186	MACROD1
SSGC*FPNM+AAK	1.390	C460,M464 C460,M464	FUBP3
VETNQDWSLMC*PNECPGLDEVWGEEFEK	1.390	C352 ,C130 C352	RRM1
AATMSAVEAATC*R	1.389	C266 C246 C278 ,C266 C278	PYCRL

AFTEANDGSLC*LAMEYGGEK	1.389	C112 C78 C112 ,C112 C112	PBK
TSVVFHQLGTAM+PMSVEEGPEC*QGPVVD RR	1.389	M68,C78	ZNRD1
NGVDLGPIC*GPPNGII	1.389	C1217 C1182 C1181 C1155 C1118 C1179 ,C1217 C1182 C1181 C1155 C1118 C1179 C1120 C893 C937	PUM1
LLAPDC*EIIQEVGK	1.389	C215	EXOSC3
DYEQPTC*AK	1.389	C830 C830 ,C830 C830 C830	FAM208A
IDPNMFADGQMDDLVC*FEELTDYQLVSPAK	1.389	C49 C49 ,C49	DDX24
SGGLQTPEC*LSR	1.389	C439	FOXK1
ANDQEPC*GWWLAK	1.388	C28 C77 C64 C77	FXR1
YSTGSDSASFHTTSPMC*LNPDLGPPLEA YTIQQQYAIQPDLTk	1.388	C213 ,C217 C217	PCBP2
SC*NGPVLVGSPQGGVDIEEVAASNPELIFK	1.388	C162 C162 C162	SUCLG2
DLEVTC*DPDSGGSQGLR	1.388	C1324	TNKS1BP1
LLSALC*PEEPPVHSSAQIVSK	1.388	C334 C334 C334 ,C334 C155 C334 C334	EIF2B3
LVSLNLLSPTVLSMC*R	1.387	C194	ALKBH4
C*SSYSESSEAAQLEEVTSVLEANSK	1.387	C179 C137 C94 C179 C137 C94 C179 C137 C94 ,C179 C137 C94 ,C179 C137 C94 C179 C137 C94 C179 C137 C94 C179 C137 C94 ,C179 C137 C94 C179 C137 C94	WAPL
TPQPGSPSPNTPC*LPEAAVSQPGSAVASD WR	1.387	C644	TELO2
TPGAATASASGAAEDGACGC*LPNPGTFEE CHRK	1.386	C76 C76	TOMM40
INPYMSSPC*HIEM+ILTEK	1.386	C144,M148 C144,M148 C144,M148 C144,M148 C144,M148 C144,M148 ,C144,M148 C144,M148 C144,M148 C144,M148 C144,M148 C144,M148 C144,M148 C144,M148 C144,M148 C144,M148	RPL17
STDSSSYSPSPC*ASPPSSGK	1.386	C1265	YTHDC2
TGYAFVDC*PDESWALK	1.386	C44	IGF2BP3
STFFNVLNNSQASAENFPFC*TIDPNESRVPV PDER	1.385	C55 C55 C75 ,C55 C55 C55 C75	OLA1
SPQELDQGTGAALC*FFNPLFPGDLGPTKR	1.385	C118 C223 C223	RIN1
IVEGQQGQADVGPSADEVNNNTC*SAPPE GLLLDSSEK	1.385	C1066 C1066 C965	KIF1A
ITNTDVDC*LK	1.385	C242	CCND2
NLETFC*EETR	1.385	C554 ,C554 C500	LARS
EMEHNTVC*AAGTSPVGEIGEEK	1.385	C1232 C1551	SON
LLC*GGGIAADR	1.384	C386 ,C386 C339	ALDH2
ASIQEC*ILPDSPLYHNK	1.384	C125 C33 C125 C91 C164 C164 C125	SMPD4

PC*SEETPAISPSK	1.384	C3	DUT
KYGLNMC*R	1.384	C39 C39 C36 ,C39 C39	RPS29
ELQIC*PATAGSGPAATQDFSK	1.384	C1119 C1100	ABL1
VAGINAC*GR	1.384	C1803 C1872 C1917 C1916 C1803 C1872 C1917 C1916 ,C1803 C1872 C1917 C1916	HCFC1
SLVFANSISC*IK	1.383	C599 C556 C544 ,C599	DDX24
LFNTAVC*ESK	1.382	C721	NAA15
SSSLNFSFPLPTMGQMPGHSSDTSGLSFS QPSC*K	1.382	C630	CCNT1
YTVQDESHSEWVSC*VR	1.381	C153 C153	RACK1
APSSSSNC*PPSAPTLDSKPR	1.381	C889	AFF4
ESLNASIVDAINQAADC*WGIR	1.380	C167	STOML2
VHGEC*IANLSFDITGR	1.380	C339 C375 C375	TBL2
NLVQC*GDFPHLLVYGPSGAGK	1.380	C32 C32 ,C32	RFC3
QEASADC*QDVISMTANR	1.380	C441 C441 ,C441 C43 C441 C94	HACE1
GALMANFLTQQQVC*CNCTR	1.380	C288 C288 ,C288	ALDH9A1
LC*TSYSHSSTR	1.380	C41 C34 C34 C34 C34 C34 C39 C34	GOSR1
HFLLDFAQSEPAQNFC*GPYSELFK	1.379	C1304	ZZEF1
NHTGSLAVANNPTITVADSLSC*PVMQNVQ PPK	1.379	C299 C330 C299	SEC24B
C*DSSPDSAEDVRK	1.379	C132	AHSG
AGAPDEAVCGENVSQIYC*ALLGCMDDYTT DSR	1.379	C850 C850 C850 ,C124 C850 C850 C850	TBCD
IAEVDC*TAER	1.379	C381	TXNDC5
LEHEEGAPC*TAIR	1.378	C233 C180 ,C183 C206 C233 C180 C215 C185 C212 C215 C280 C206 C233 C96 C158	CDK16,CDK17 ,CDK18
VM+TIPYQMPASSPVIC*AGGQDR	1.377	M179,C194 M179,C194 M179,C194 ,M179,C194 M179,C194 ,M179,C194	PCBP1
NIIQPPSCVLHYYNVPLC*VTEETFTK	1.377	C459 C464 ,C459 C430 C464 C464 C459 C430	HNRNPLL,HN RPLL
YRTTSSANNPNLMYQDEC*DR	1.377	C586 C584	DDX17
EMDSCPVVGEFPC*QNDINLSQAPALPQPE VIQNMTEFKR	1.376	C974	IDE
SC*SSTPVGNESTAAGNTISMPTASGAK	1.376	C1375	CASZ1
C*QSVSSAGELETENYER	1.376	C573	TGS1
SQEATEAAPSC*VGDM+ADTPR	1.376	C230,M234 C84,M88 C229,M233 C241,M245 C248,M252	44448
LNLHEFLQTEIKNQLC*DLETK	1.376	C62 C62	DNMT1
KNC*IIVPNGDNVFAVK	1.376	C152	C4orf27
YREFC*QCDFDIAGQFDPMIPDAECLK	1.375	C173 C148	HARS2
YREFCQC*DFDIAGQFDPMIPDAECLK	1.375	C175 C150	HARS2
HIKEEPLSEEEPC*TSTAIASPEK	1.375	C507	NOP58
KC*TLDAQFR	1.375	C49 C49 C49 C32 ,C49 C49 C49	THOC1
AVC*LLTGASR	1.375	C10	SPR
ISASC*QHPTAFEEAIPK	1.375	C327 C345	DNPEP

RPLLDNQVINSVC*VQPELQNNTK	1.375	C727 C758 C746 C705 ,C727 C758 C746	PHC3
IIGATDSC*GDLMLMK	1.375	C133	CBX5
AGEPNSPDAEEANS PDVTAGC*DPAGVHPP R	1.374	C723 C758	NSUN2
KNEPPLTC*PYSLK	1.374	C295 C295 ,C295	SEC63
IC*YIFHETFGR	1.374	C367 C380 C380 C380 C367 C367 C367 C367	DNM1L
C*DSADLRHDIDR	1.374	C686 C686 C686 C515 C688 C688 C687 C688	BCLAF1
SHSDNDRPNC*SWNTQYSSAYYTSR	1.373	C166 C167 ,C166 C167 C166 C167	SRSF10
GPC*GSFDVR	1.373	C1183	DHX30
RPLVASVGLNVPASVC*Y	1.373	C86 C77 ,C77	UQCRFS1P1, UQCRFS1
VDLNSNGFIC*DYELHELK	1.373	C33	PLS3
FHADSVK*K	1.373	C25 ,C25 C25	DDA1
VLVIC*TANVTDTIPELRDR	1.373	C637	LONP1
VDSPSHGLVTSSLC*IPSPAR	1.373	C699 C624	DAXX
LPVVIGLLDVDC*SESVIK	1.372	C824 C828 C824 ,C824 C824	CLTC
TDPSDSQTGLAEQC*AGIR	1.372	C148 C148	CDKN1B
EMASC*ITQR	1.372	C114	TSR2
VTQNLPM+KEGC*TEVSLLR	1.371	M304,C308 M304,C308	HNRNPUL2
GPGSWWTSTESLC*SNASGDSR	1.371	C88 C88 C88	KANK2
VVLLGEFLHPC*EDDIVCK	1.371	C80 C80	GAR1
TAGQPEGPGADFGQSC*FPAEAGRDTLSR	1.371	C302 C258 C254	USP10
C*SNTSELKEFVNPSLPR	1.371	C712 C712 C712 C671 ,C712 C665 C712 C712 C695	BRCA1
NAFANDTIPSESYISAVQAAHLGTLC*SQSLP LAASLK	1.371	C1274 C1274 C1274 C1274	UBR4
QIQSLC*FQVNNLLEK	1.371	C266 C378 C410 ,C378 C410	COPS4
LSGSSLC*SGSWVSADGFLR	1.370	C39 C39 C39 C39 ,C39 C39	PRPF40A
C*TDDFNGAQCK	1.370	C345 C371 C387	PSMC3
MAGIFDVNTC*YGSPQSPQLIR	1.370	C428 C468 C468 C467 C353	NDC1
DLC*FSPGLM+EASHVVNDVNEAVQLVFRK	1.370	C392,M398 C362,M368	CECR5
AGDWQCPNPGC*GNQNAWR	1.370	C534 C457 C528 C493 C529 C473 C491 C456	EWSR1
QADSC*PYGTMYLSPPADTSWR	1.370	C131 C90 C56 C147 C131	CRTC1
CTKEEHLK*TQR	1.370	C233 C212 C233 C217	TPM3,DKFZp6 86J1372
AALALGSC*LNNK	1.369	C70 C91 C91	SHMT2
TFSEC*SYPETEEEGEALPVR	1.369	C235	ST5
VC*PPHMLPEDGANLSSAR	1.368	C209 C41 C158 C108 C29	MFF
SSAEEGEAEEADESSEEDC*TAGEK	1.368	C530	BMS1
DSSQGPC*EPLPGPLTQPR	1.368	C107 C107 ,C107	SEC16A
ESANGFETNVASGTC*SIIVQER	1.367	C1058 C1058 C736 C1058 ,C1058	ARID4A
TDTGKESC*DVLLDENLLK	1.367	C1970	PIKFYVE
STPTGISASC*R	1.367	C363 C323 C254 C363 C323 C254 ,C363 C323	TMPO
PHLENVVLC*R	1.367	C10 ,C10 C10	ORC5

IALNLEGC*ALSQGLR	1.367	C417 C417 ,C417 C417 C365 C417 C417 C365	OGFR
LAHLLASQAQKEPEAAAPAPGTGGDSVC*GE THR	1.366	C412 C78 C794 C782 ,C782 C794	GOLGA2
SGGC*GAGAGVGGNGALTWVNNAAK	1.366	C7 C7 C7 C7 ,C7 C7	TOP2B
SGC*SEAQPPEPETR	1.366	C426	TACC3
PVC*GLHSVISPDR	1.365	C181 C147	PISD
ALVDGPC*TQVR	1.365	C42 C42	RPL14
LVNPCSGEGAIYLFNMC*LQQLFEVK	1.365	C56 C56 C56	RNASEH2B
NYLPAINGIVFLVDC*ADHSR	1.365	C102 C102 C59	SAR1A
MDSC*IEAFGTTK	1.365	C138 ,C200 C138	POLR1E
VDEFDC*VEADVEGK	1.365	C101	HAT1
EELIAELQDC*EGLIVR	1.364	C48 ,C48 C48	PHGDH
EVPGSEARPEQEPVAPVPC*TIFSQR	1.364	C160	TRAPPC12
DEC*PTSAVITINHDEVWFK	1.364	C234 C282	BRMS1L
LLDRDAC*DTVR	1.364	C204 C247 ,C204 C201 C204 C247 C68	HSPBP1
ELLTHHVSPPPASSSSEC*SLIR	1.364	C247	GTF2H2
LC*YVALDFENEM+ATAASSSSLEK	1.364	C219,M229 C219,M229	ACTA1,ACTC1
TSAAQAIHPGC*GFLSENMEFAELCK	1.363	C129 C91 C82 C20	MCCC1
TYGC*VPVANKR	1.363	C140 C191	SPAG7
INISEGNC*PER	1.363	C54 C54 C54 C54 C54 C54 C54 C54 C54 C54 C86 C86 ,C54 C54 ,C54 C54 C54 C54 C54 ,C54 C54 C54	PCBP3,PCBP 1,PCBP2
TDSPSC*EYSR	1.363	C419	XPO5
ILSLTETIEC*LQTNIDHLQSQVEELK	1.363	C46 C121 C46 C70 C32	CDR2
C*ASQVGM+TAPGTR	1.363	C236,M242 C204,M210 C215,M221 ,C204,M210	CNN2
LSVDEVSSPSTPEAPDIPAC*PSPGQK	1.363	C91	CDT1
C*PEALFQPSFLGMESCGIHETTFNSIMK	1.362	C257	ACTB
AATESVPC*SPSPLAGEIRR	1.362	C123 C56 C86 C56 C96	C19orf47
NSIQNQESYEDGPC*TITSNK	1.362	C265 C265 C211 C265 C265 ,C265 C211	TRAPPC8
VLELVSITANKNTC*PGDR	1.362	C391 C402 C412 C391 C402 C412 ,C391 C402 C412	SHMT2
LVPYSC*R	1.362	C254	LEMD3
AFGGPGAGC*ISEGR	1.362	C24	FN3K
HGSLGSSIKDEASLPDC*SSSR	1.361	C636 C647 C647	MKL2
VIIIQAC*R	1.361	C264 C285 C134 C248 C192 ,C192 C264 C285 C134 C248 C192 ,C264 C285 C248	CASP1
EVGGGHGC*TSPFPPEAR	1.361	C201 C201 ,C201	LIN28B
EKLMHLFTSGDC*K	1.361	C91	GEMIN6
SC*KDETFLLQAPLQR	1.361	C239 C867 C202 ,C239 C867	TAF4
LLLAGYDDFNC*NIWDAMKGDR	1.361	C294	GNB2
MVLSGC*AIIVR	1.360	C31	SND1
VGTYNQAVIPEC*KPESPAR	1.360	C59 ,C59 C59	RCOR2
LLAENEDVVVVDKPSIPVHPC*GR	1.360	C185 C246 ,C185 C246 C185 C246	RPUSD2
AVC*GFHLGYLDGEVELVSGVVAR	1.360	C324 C324	VAT1

VAFQMTM+PC*PNFYILDEPTNHLDMETIEA LGR	1.360	M620,C622 M626,C628	ABCF3
GAPNNSC*SEIK	1.360	C108 C85 C105	UBE3A
NASPEDVEYYNC*QQELTDDLHK	1.360	C376 C376	CHD1
GCITIIGGGDTATC*C*AK	1.359	C379,C367 C379,C367	PGK1
HLSC*TVGDLQTK	1.359	C212 C32 C320 C232 C320 ,C320	RUFY1
EKTAC*AINK	1.358	C295 C295 C292 C292 C293	FAM98A,FAM9 8B
ASVGFGGSC*FQK	1.358	C179 C276 C209 ,C276 C209	UGDH
TC*PFFFPDTR	1.358	C1571 C1586 C1538 C1268 ,C1571 C1586 C1538	TRIP12
SESSAGIC*VPLSTSSQVPEVTTVQNK	1.358	C899	PIK3R4
LIPGC*EVILATPYGR	1.358	C115 C115	DENND4C
QSELEPVVSLVDVLEEDEELENEAC*AVLG GSDSEK	1.357	C35 ,C35 C35	UBR7
ECISIHVQQAGVQIGNAC*WELCYCLEHGIQP DGQMPSDK	1.357	C20 C90 C20 C20 , C20 C90 C20 C20	TUBA1C,TUBA 1B,TUBA1A
SDISDQEEDEESEGC*PVSINLSK	1.357	C1779 C1724	PCM1
M+LPDKDC*R	1.357	M57,C63 M74,C80 M112,C118	CFL1
IENLELMSQHGC*NAWK	1.357	C132	BCAS2
HENVVNLIEIC*R	1.357	C85 C202	CDK9
GFCHLC*DGQEACCVGLEAGINPTDHLITAY R	1.357	C94 C132	PDHA1
LNC*STSPEIFRK	1.356	C406	LARP6
VTC*PNHPDAILVEDYR	1.356	C15 C15	GTF2B
RHEVTIC*NYEASANPADHR	1.356	C186 C187 ,C186 C187 C74	PITHD1
ELPPELLAEIESTMPLC*ER	1.356	C1066 C1066 C1066	NIPBL
GFDPTASPFC*Q	1.356	C909 C1302	ZC3H4
GFFICDQPYEPVSPYSC*K	1.356	C692	EPRS
IYFGSNIPNMFVDSSC*ALK	1.356	C310	ERLIN1
DGWPAMC*IHGDK	1.355	C447 C447	DDX17
EWPYCSQC*PAVWNGSGAVSAR	1.355	C501	STXBP3
C*SEGSFLLTTFPRPVTVEPMDQLDDEEGLP EK	1.355	C208 ,C208 C208	NONO
IGLYPANYVEC*VGA	1.354	C421	PACSIN3
M+HYPMVEYC*TPTTSGEDVR	1.353	M284,C292 M892,C900 M284,C292 M892,C900 M1048,C1056 M284,C292 M3352,C3360 M3351,C3359 M3352,C3360 M3347,C3355 M3348,C3356 M3344,C3352 ,M284,C292 M284,C292 M284,C292 M284,C292	DMD
NLHC*SSELPQNDVLLSK	1.353	C559	FAM208B
C*APSAGSPAAAVGR	1.353	C54	MEPCE
EVEVIGGADKYHSVC*R	1.353	C185	TK1
GSDELFTSC*VTNGPFIMSSNSASAANGNDS KK	1.352	C23 C23 C23 C23 C23 C23 C23 C23 ,C23 C23 C23 C23 ,C23 ,C23 C23	PTBP1
SGYAFVDC*PDEHWAMK	1.352	C44	IGF2BP1
QLEDLSYC*R	1.352	C563 C608 ,C563 C608 C77	NUP88

AVLLVGLC*DSGK	1.352	C73	SRPRB
DVLKEEGVSLINTFEGGGC*GQPSGILAQPTLLYLRL	1.352	C1229 C1229 C1229 ,C1229 C1229	PRKDC
SDPYHATSGALSPAKDC*GSQK	1.352	C260	GJA1
NSC*SLHYINPYQPNEYLK	1.352	C400 C325	CPNE7
YAC*GLWGLSPASR	1.351	C457 ,C26 C175 C457 ,C26	SF1
SC*FPASLTASR	1.351	C522	MEPCE
LASPSGSTSSGLEVVAPEGTSAPGGGPGTLDDSATIC*R	1.351	C253 C628 ,C628	TRIM28
LEC*VEPNC*R	1.351	C72,C77 C72,C77 C72,C77 C72,C77 C108,C113	RPL36AL,RPL 36A
ASFETLPNISDLC*LR	1.351	C52 C52 C52 C52 C52 C52 C52 C52	MTFR1L
VQIEAAQC*PDVVVAQIDPK	1.351	C58 C63 C63 C63 C63	GEMIN2
QSLDVL DLC*EGDLSPGLTDSTAPSELGKDDLEELAAAQK	1.351	C370 C431	RPUSD2
PSWADQVEEEGEDDKC*VTSELLK	1.350	C25 C25	EIF3G
SSAVPPGLPVYLDLC*YIPNHSNSK	1.350	C2361	MAP1B
GIC*DYFPSPSK	1.350	C254	ANKLE2
GMYLTQEDVVAVSC*SPNAANTILR	1.350	C233 C291 C233 C291 ,C233 C291 C323 C291 C291	RCOR3
TDVKDDLSDPPVASSC*ISEK	1.350	C147 C147	SKA3
NHLSGEIC*EMQTEELAGNSETLKEPETVGAQSI	1.350	C1999 C1944	PCM1
LPADTC*LLEFAR	1.349	C285 C330 ,C330	LPCAT1
GGQTVPGQAPLC*FDPGSPASDKTEGK	1.349	C58	ZNF512B
LVDPLGEMLAPSWEEHATC*LANAEEQDM+QR	1.349	C93,M102 C121,M130 C93,M102 ,C93,M102 C121,M130 C121,M130 C93,M102 C93,M102	PGM3
NTPC*SENKLDIQEK	1.349	C135 C135 C135 ,C135 C135 C135 C49	DHX36
VHAC*GVNPVETYIR	1.349	C45 C45 C45 C45 ,C45 C45	CRYZ
SLLNQC*IEER	1.348	C80	TOE1
KLFAPQQILQC*SPAN	1.348	C230	TK1
EYMDAC*GEANNQNFQQR	1.347	C262	ZCCHC8
LC*VQNSHQEAR	1.347	C150 C150 ,C150	CSTF2T
M+SSYAFFVQTC*R	1.347	M13,C23 M13,C23 M13,C23 M13,C23 ,M13,C23 M13,C23	HMGB1,HMGB 2
VFDC*MELVMDDELQGSVK	1.347	C287 C271 C220 C180 C215	DSN1
SEFYANEAC*KR	1.347	C381 C401 C339 C339 ,C313 C381 C401 C339 C339 C219 ,C381 C401 C339 C381 C401 C339	ACOT2,ACOT 1
ELEVLLM+C*NK	1.347	M90,C91 M90,C91 M108,C109	RPL32
RTIQFVDWC*PTGFK	1.346	C347 C417 C347 C347 C371 C281 ,C347 C347 C347 C347 C371 C281	TUBA1C,TUBA 3C,TUBA8,TU BA1A
SASLDNGGC*ALTTFVLEGEKNNHR	1.346	C34 C27 C92	SOAT1
C*GIGQEEMEASSQDQSK	1.346	C794	TNKS1BP1
KGSVSVC*SK	1.345	C239	COIL
ATEGMVVADKNC*SK	1.345	C74	PSMB7

HGELWC*AVSK	1.345	C913 C873	PRPF6
YSWGAPLAIGPGGHDAC*DK	1.345	C163	MAP7D2
AVC*MLSNTTAVAEAWAR	1.345	C376 C446 ,C376 C376 C376 ,C376 C446 C376 C446 C376 C446 ,C376 C446 C376 C446	TUBA1C
NC*TCGLAELEEKEK	1.345	C249 C236	CIAPIN1
TLLVNC*QNK	1.344	C205	TBC1D15
FLVCADCEIGPIGWHC*LDDK	1.344	C106	RABIF
FSLDEEAILPDQIVC*SPVPMRL	1.344	C736 C660	XRN2
LGEPEDC*AGIVSFLCSEDASYITGETVVVG GGTPSRL	1.343	C162 C214 C246 C128 C248 C196 C162 C185 C45 C169 ,C214 C248 C196 C214 C248 C196 C214 C248 C196	DHRS4,DHRS 4L2
VDDEILGFISEATPLGGIQAASTESC*NQQLD LALCR	1.343	C561 C561 C561 ,C561	TMPO
C*NENYTTDFIFNLYSEEGK	1.343	C631 C702 C631 C702 ,C631 C600 C702 C631 C600 C702 ,C631 C600 C702	PFKM
TLQSLAC*GK	1.343	C541 C533 C633 C774 ,C541 C533 C633	CUL4B,CUL4A
SVPTTQC*LDNSK	1.343	C226 C226	MKI67
C*LELEEMMEEQGYEEQQIQEK	1.343	C70 C70 C70 ,C70	SRRM2
IVSC*GNAAIAELLR	1.343	C21	KIAA0196
AHQLVLPPC*DVIK	1.343	C279 C279	FAM120A
LFVSDGVPGC*LPVLAAAGR	1.342	C12	MARS
SHSISSSFGAEPSAPGGGGSPGAC*PALG TK	1.342	C34	RTN3
C*HDFQCALLANLFASEGQPGK	1.342	C149 C130 ,C149 C130 C130 C38 C38	C11orf54
LC*FSTAQHAS	1.342	C448 C522 C581 ,C522 C581	HNRNPL
LLQFYAETC*PAPER	1.342	C142 C137 C126 C161	MYO1C
C*AEALQLPVVSQEWVIQCLIVGER	1.342	C1938 ,C1938 C1938 ,C1933 C1938	TP53BP1
ELESSGAGSSPPAAPC*PPPPGPAAAPEGD WAR	1.342	C115 C115	ZBED3
ARPSPGHC*LPEDEDPEER	1.342	C84 ,C84 C84	RPAP1
GAGAYIC*GEETALIESIEGK	1.341	C206 C199 C105 C197 ,C105 C206 C199 C105 C197	NDUFV1
NC*ISTVVHQGLIR	1.341	C478 C478 ,C478	PRKDC
KVPGVTAIELGEETC*TFR	1.341	C270	FXR2
ASC*FTGLNPTIVQEYTKR	1.341	C881	SMC5
VNQC*VIGTAQANR	1.340	C663	KIFC1
DC*DLQEDEACYNCGR	1.340	C67 C60	CNBP
NYLEPGKEC*VQPATK	1.340	C888 C997 C970 ,C888 C997 C970 C888 C997 C970	ATP2A2
GSVSLTTGQPVDQPTTESC*STLK	1.340	C152 C152	ZNF644
NC*WQNYLDFHR	1.340	C30	COX6B1
SC*LSPKPPQGQEQQGQEDEVLVVEGPTL PETPR	1.340	C232 C232 ,C232 ,C232 C232 C232	NFATC2IP
SEDEAGC*SSVDEESYK	1.339	C334 C382	RSRC2
QVC*GDSIKPEETEQEVAADETR	1.339	C371	TOE1
LLQDYPITDVC*QILQK	1.339	C387 C206	TBC1D13

IDTPPAC*TEESIATPSEIKTENDTVESV	1.339	C1534	PCF11
GVC*DQSFGIHVAELANFPK	1.339	C756 C822	MSH2
VAC*VQVVIIPCGITNALSEEDKEALIAK	1.339	C1301 C1301 ,C1301	EPRS
THISSQNSELSSAALQALGFC*LYNPK	1.338	C82 C82	RIF1
EASSC*AVNLVLR	1.338	C450 C431	STK39
YRNPVSQC*MR	1.338	C50 C50 C50 C50 C50 ,C50	TARDBP
IAIC*GAISTYNR	1.338	C239 C239 C239 C239 ,C239 C239	PTGR1
ALADAQIPYSAVDQACVGYVFGDSTC*GQR	1.338	C46 C71 C71 C46 C71 C71 ,C71 ,C71 C71	SCP2
AYSFAMGC*WPK	1.337	C152 C170 C167 C285 C76	ERI3
SVVC*SDVEQQVIVIEEEKK	1.337	C590 C590 C590 C590 ,C590 C590	DDX46
IC*NAVSPDKDVDGFHVINVGR	1.337	C104 C43 C145 ,C43 C145	MTHFD2
LAIIVDEGGDALLVSLVC*R	1.337	C86 C86 C86 C86 C86 C86 ,C86 C86	LOC10272415 9,PWP2
SHLLNC*CPHDVLSGTR	1.337	C40 C42 C43 C109 C109 C40	C7orf55,LUC7 L2
LREELGLC*ER	1.337	C286 C286	GTF3C1
C*PASEPGLDATTASESR	1.337	C1029 C1029 C497 ,C1029 C1029	INF2
QIQQELEQC*DVPEDVR	1.336	C224	NOB1
VHPAMATAAGGC*R	1.336	C121 C270 ,C121	SF1
YSTGSDSASFHTTSPM+C*LNPDLGGPPLE AYTIQQQY	1.336	M216,C217 M216,C217 ,M212,C213 ,M212,C213 M216,C217 M216,C217 M212,C213	PCBP2
NLSFFLTPPC*AR	1.336	C492 C494 C492 ,C492	STAT1
FLAAAQNPADSEPTSGAPAPQELGAANQQG DLC*EVSLAGSVEPAQGEAR	1.336	C552 C218 C934 C922 ,C922 C934	GOLGA2
SLPDC*TPHPNSISIDAGPR	1.335	C197 C42 C29 C736 C733 C29 C29 ,C197 C42 C29 C736 C733 C29 C29 C197 C42 C29 C736 C733 C29 C29 ,C197 C42 C736 C733 C29	DLGAP4
HLFC*PDLLR	1.335	C22 C22 C22 C22 C22 ,C22 C22 C22 ,C22	DECR2
C*ATDPNSYK	1.335	C46 C46	SLC25A21
ARDDGQADSEVLGEC*AR	1.335	C132	RNF169
LSNVAPPC*ILR	1.335	C182 C182 C167 ,C182 C182 C167 C182 C182 C167	MAPRE3
SSQQPVSEVSTIPC*PR	1.335	C325 C1585 C1530 C1577 ,C1585 C1530 ,C1531 C1585 C1530 C1577	PCM1
IEKELETVC*NDVLSLLDK	1.334	C97 C84	YWHAH
FRDQLASC*DR	1.334	C345 C347 C348 C414 C414 C345 ,C348	C7orf55,LUC7 L2
VMTIPYQMPASSVIC*AGGQDR	1.334	C194 ,C194 C194	PCBP1
TLC*LSTPSSSTVK	1.334	C990 C990 C990	KMT2A
ELDVEEAHAASTEKEAGVGNCTC*APVR	1.334	C37	DCPS
IETAFLNALVYLSNPVEC*DLTYHNVYSR	1.334	C269 C246 C266	UBE3A
C*YIASAGADALAK	1.333	C716 C765 ,C765	STRN

AC*PRPEGLNFQDLK	1.333	C219 C227 C307 ,C219 C227 C307 C219 C227 C307	RPA2
YKGGTC*AVAAPFDTVHIPEATK	1.333	C270 C270 ,C270 C270 C270	TRMT2A
TC*DISFSDPDDLNFK	1.333	C47	UBE2M
IQLQQQQQSC*QHLGLLTPVGVGEQLSEG DYAR	1.333	C906 C791 C793 C906 ,C906 C791 C793 C906 C906	ANKRD17
QPAIMPGQSYGLEDGSC*SYK	1.332	C339 C413 C472 ,C413 C472 C89 ,C472	HNRNPL
LFVSGAC*DASAK	1.332	C204 C204 ,C204 C104	GNB1
APPTAC*YAGAAPAPSQVK	1.332	C225 C248 ,C225 C248 C225 C248 ,C248	CEBPB
IC*DECNYGSYQGR	1.332	C46	PHF5A
C*LSIMLAEWEANPLICPVCTK	1.332	C122 C122 C122 C122 C122 C122 C122 C122 C122 ,C122 C122 C122 C122 C122 C122 C122 C122 C122 C122 C122 C122 C122	RPAIN
YNFFTGC*PK	1.331	C364 ,C320 C277 C364	CCT7
VHTFVDC*SNREDIYSSAK	1.331	C94 ,C94 C94	HSD17B11
FGDVPWPC*PGGGDPEAMAAALVAR	1.331	C281 C289 C304 C281 C289	NFKBIL1
AFQHLSEAVQAAEEEAQPPSWSC*GPAAG VIDAYMTLADFCDDQLR	1.331	C3403	PRKDC
VEQNSEPC*AGSSSESDLQTVFK	1.331	C260 ,C260 C184	UBR7
VHAIQC*DVRDPDMVQNTVSELIK	1.331	C116 C107	DECR1
SVAGQVC*LITGAGSGLGR	1.331	C39	RDH10
TQLGAIYIDASC*LTWEGQQFQGK	1.331	C38 ,C38 C38	NUTF2
NVLVIGTTGSQTTFLPEGELPEC*AR	1.330	C361 C361 C361 C361 C361 C361 ,C361 C361	DDI2
NLEDDTLSEC*K	1.330	C652 C652 ,C652	ZNF638
ANC*IDSTASAEAVFASEVKK	1.330	C268 C268 ,C268 C268 C268	FBL
LQISHEAAAC*ITGLR	1.330	C1099	DHX9
ITAEDC*TMEVTPGAEIQDGR	1.330	C201 C216 C201 C216	FIP1L1
NPSTVC*LCPEQPTCSNADSR	1.330	C42 C42	C8orf33
YRPENTPEPVSTSVSHYGAEPPTVSPC*PS SSAK	1.330	C42 C47 C42 C47 ,C42 C47	YES1
GNLYSFGC*PEYQQLGHNSDGK	1.330	C280	RCC2
SPVTTLLEC*MHK	1.330	C665 C622 ,C665 C622 C665 C622	ADAR
QTISNAC*GTIGLIHAIANNK	1.330	C95 C29 C59 C95	UCHL3
EGVGC*SWESGR	1.329	C277	TSEN54
ATNVC*TR	1.329	C165	SMARCA5
VEDLTFTSPFC*LQVK	1.329	C254	PRMT1
SYIEGYVPSQADVAVFEAVSSPPPADLC*HA LR	1.329	C50 ,C50 C50 C50 ,C50 C50 C50 C50 C50 C50	EEF1B2
C*AVSDVEMQEHYDEFEEVFTEM+EEK	1.329	C67,M89 C67,M89 C67,M89	U2AF1L5,U2A F1
GSNTC*ELIFEDCKIPAANILGHENK	1.329	C254 C171 C251 C50 C221 ,C254 C251 C221	IVD
DSMSSQPSC*TGLNYSYGVNAWK	1.329	C1047 C1061 C1061 C1059	ZMYM3
PC*SEETPAISPSKR	1.329	C3	DUT
LEVDAIVNAANSSLLGGGGVDGC*IHR	1.329	C186	MACROD1

QTNGC*LNGYTPSR	1.329	C241 C91 ,C241 ,C241 C241	UCK2
C*ALSSPSLAFTPIIK	1.328	C238 C120 C255 ,C238 C255	NUP35
NIC*FTVWDVGGQDR	1.328	C62 C62 C62 ,C62 C62 C62 C62 ,C62 C62 ,C62	ARF4
LHIAC*FPVQLDTLSDGASVDESHGISPPLQ GEISQTQENSK	1.328	C830 C745 C804	CEP97
VMC*IEHEIK	1.328	C155 ,C155 C157 C155	STAT1
AGEDC*RSEDPPDELGPPLAER	1.328	C44	GRPEL2
NC*TAGAVYTYHEK	1.328	C8 C8 C8	NOSIP
C*AGPTPEAELQALAR	1.328	C52	RRS1
AAAGELQEDSGLC*VLAR	1.328	C172	EFHD2
TLGSGAC*GEVK	1.327	C274 C10 C140 C231 C231 ,C274 C231	CHEK2
SFLYC*NQAR	1.327	C532 C532 C485 ,C532	RAI1
GHALLIDC*R	1.327	C233 C203	GALK1
EIQPC*LAESR	1.327	C890 C850 C790 C90 ,C890 C850 C790	RNF40
QPAIM+PGQSYGLEDGSC*SYK	1.327	M460,C472 ,M401,C413 M460,C472 M77,C89	HNRNPL
VPVLQLDSGNYLFSTSAIC*R	1.327	C66 C66 ,C66	MARS
FLTTPGC*NPQLTYTATLPER	1.326	C1562 C645 C603 C650 C1412	USP54
VSC*AGQMLEVQPGLYFGGAAVAEPDHLR	1.326	C23	DUSP12
AQNTWGC*GNSLR	1.326	C410 C423 C522 C148 C522 C522 ,C410 C423 C522 C148 C522	LMNA
LSVLDLVVALAPC*ADEAAISK	1.326	C763 C702 C663	RRP12
EVLC*PESQSPNGVR	1.326	C137 ,C155 C137 ,C155	RRP1B
VLISDSLDP*CR	1.325	C18	PHGDH
EKC*SIADVISENLK	1.325	C80 C80 C80	RPP38
GETYC*LYLPETFPEDGGEYMCK	1.325	C576 C538 C624 C638 C574	NEXN
RQSDLVQC*GVTSPSSAEATGK	1.325	C261	CBX8
EQFSQGPSNC*LETSLAEIFPLGK	1.325	C102 C161	TIGAR
KPEVTC*TLEDK	1.325	C34 C34 C177 C34 C34 C34 C34 C34	TCEAL4
C*PETLFQPSFIGMESAGIHETTYNSIMK	1.324	C259	ACTC1
TINQESC*IEPLAESITDVLVR	1.324	C286 C133	MCL1
KLGEWVGLC*K	1.324	C92	RPS12
LTAIDILTTC*AADIQR	1.323	C1580 ,C1580 C1580	SNRNP200
GEILLQC*LLENTPVLEDVLGR	1.323	C558 C695	CEP68
VGLC*PGLTEEMIQLLR	1.323	C9 C9 C9 C9 C9 C9 C9 C9	RAD51D
SGEWEAVEVLTEEPDTNQNL*EALQR	1.323	C272 C377	GFOD2
AC*QALGAMLSK	1.323	C284 C302 C293 C296	TH1L,NELFCD
DCIGGC*SDLVSLQQSGELLTR	1.322	C83	GLRX
LAFEIIDQYFSGDDIDEDPC*LIPEATQGGTY NFDPTANLQTK	1.322	C495	KPNA3
GGTLFGGEVC*K	1.322	C684	TMPO
VAC*ITEQVLTLVNKR	1.322	C477	RPN1
SELEC*VTNITLANVIR	1.322	C27 C27 C27 C27 C27 C27 ,C27 C27	WASF2
DKEQC*AEENIPASSLNK	1.322	C770 C605 C783	INTS6

HEFSVDMTC*GGCAEAVSR	1.322	C12 ,C17 C12	ATOX1
GC*ALQCAILSPAFAK	1.322	C376 C335 C376 C376 C376 ,C376 C376 C376 C376 C350	HSPH1,HSPA 4L,HSPA4
EAQAAMEGLNGQDLMGQPISVDWC*FVR	1.321	C149 C148 ,C149 C148 C81	RBM8A
NADMSEEMQQDSVEC*ATQALEK	1.321	C24 C24 ,C24	DYNLL1
SC*SSSCAVHDLIFWR	1.320	C42	RTN3
LLYEALVDC*KK	1.320	C175	EIF3M
C*KETPYSEEDFQHLQK	1.320	C104 ,C104 C104	MIS12
GPGC*TWDSLRL	1.320	C263 C242	TARBP2
IIC*SAGLSLLAEER	1.320	C107 C195	NTMT1
VQVSDPESTVAVAFTPTIPHC*SMATLIGLSI K	1.320	C93	FAM96B
FDENVSMVC*PHMTWR	1.320	C709 C722	CARS
TC*FETFPDKVAIQLNDTHPALSIPELMR	1.319	C326	PYGB
SSALLGAQC*QGVR	1.319	C221	KHNYN
NLSIQLC*DTSQSLR	1.319	C3036 C3070 C2995 C3075	GOLGB1
VLAALPAAELVQAC*R	1.318	C71 ,C88 C71	FBXO2
GDQC*CYSHSPPTPR	1.318	C591 C620 ,C591 C620 C591 C620 ,C591 C620	TRMT1
C*KEIAEELFTR	1.318	C123 C42 C94	AMPD2
FLENTPSSLNIEDIEDLFLSAQYYC*SK	1.318	C283 C146 C283 C283 C146 C283 ,C283 C146 C283	TBC1D23
VGSFC*LSEAGAGSDSFALK	1.318	C73 C175 C73 C175 ,C73 C175	ACADSB
VC*PTTETIYNDEFYTK	1.318	C546	UBA6
SEFYANEAC*K	1.318	C381 C401 C339 C339 ,C313 C381 C401 C339 C339 C219 ,C381 C401 C339 C339 C219	ACOT2,ACOT 1
NC*TYTQVQTR	1.318	C250 C271 ,C271 C269 C242 C242	TCEA1,TCEA2
SQPPEKTEESPADAPTC*PK	1.318	C318	PCOLCE
AC*AEDDDEEDEEEEEEPDPPEMEHV	1.317	C266 ,C234 C266 C210	MBD3
DIDDDLEGEVTEEC*GK	1.317	C462 C487 C441 C450 C458 C479 C427 C433 C470 C444	PUF60
ADPDC*SNGQPQAAPTPGAPQNR	1.317	C275	CCDC94
SGEIPSEQHPGASASPPC*ASPPV/SAPASW DFGVPQR	1.317	C230 C230	DLX2
FLC*IFLEK	1.316	C90	PRKDC
EPEEINADDEIEDTC*DHKEDDLGAVEEQR	1.316	C353	OSBPL11
C*RPNADLELNDVIGL	1.316	C134	CDC42EP5
VMTIPYQPM+PASSPVIC*AGGQDR	1.316	M186,C194	PCBP1
LLALTSSDLGC*QPSRT	1.316	C266 C262	TMEM192
IKSGEEDFESLASQFSDC*SSAK	1.316	C40 C113 ,C113 C113 C113 C113 ,C113 C113	PIN1
ISFC*LDIHNMSVK	1.316	C483	PSMD3
GNSPPSSGEAC*R	1.316	C194 C179 ,C194	NAA10
VCLLGC*GISTGYGAAVNTAK	1.315	C174	ADH5
FSAAC*GPPVTPECEHCQR	1.315	C347 C376 ,C347 C376	TRMT1
NEC*DPALALLSDYVLHNSNTMR	1.315	C329 C459	PSMD2
NQFVSLGSMC*FPEAVLLSDER	1.315	C834 C595 ,C834	QSER1
LQLEAC*GMR	1.315	C108	GOLPH3

SASTAGDIAC*AFRPVK	1.315	C1020 C1020 C1019	SRGAP2
SELC*LDLPDPEDPVALETR	1.314	C249 C249 C249	KANK2
HAPHC*LSEEEGEQDRPR	1.314	C226 C275 C275 C275 ,C226 C275 C275 C160 C275	DNAJB6
VALLELGC*GTGANFQFYPPGCR	1.314	C79 C79 ,C79 C79 C79 C79	METTL7B
MVYSTC*SLNPIEDEAVIASLLEK	1.314	C286 C321	NSUN2
LC*PQPSKGEELPTYEEAK	1.314	C95 C95 C95 C153	AMOTL2
TYSEFC*SR	1.314	C387 C342 C314 C341	ARHGEF2
VVTSEALC*GVPVLVLANKQDVETCLSIPDIK	1.314	C78 C125 C78 C125 ,C78 C125 C125	ARFRP1
IC*TLSPSPPLASLAPVADSSTR	1.313	C664 C589	DAXX
VC*QGIGMVNR	1.313	C133	PPIL1
VTHLVANC*TQGEK	1.313	C189 C221 C189 C221 C190 ,C221 C189 C221 C190	ECT2
VHVDC*MTSQK	1.313	C1455 C1392 ,C1455 C1392 C1455 C1392	CAD
KC*GAETQHEGLELR	1.313	C128 ,C128 C128	PREB
ARDC*LIPMGITSENVAER	1.312	C177 ,C50 C136 C177	ACAA1
HFTC*LTYNNGR	1.312	C378 C316	POLR1E
YEDIC*PSTHNMDVPNIK	1.312	C73 C73 C103 C73 C73 ,C73 C73 C73 C73 C103 C54 C73 C73 C73	EIF5A2,EIF5A L1,EIF5A
IC*ALENELAALR	1.312	C145 C103 C112	MTFR1
GC*IEPGPGHWGELSR	1.312	C17	CCDC97
LHC*SMLAEDAİK	1.312	C138 C113	ISCU
IAC*EEEFSDSEEEGEGGRK	1.312	C416	HDAC1
SKDVYGYSSC*R	1.312	C104	CCDC71L
IIGATDSC*GDLM+FLMK	1.312	C133,M137	CBX5
GYVC*GAGPGEGPAADPLHQAMR	1.312	C29	BCL2L2
TGEEDEEEFFC*NR	1.311	C1196	RANBP2
EPPLYYGVC*PVYEDVPAR	1.311	C203 ,C203 C203	ANKLE2
GTVNTIWNIGIPC*QR	1.311	C321 C326	HGF
DLNYC*FSGMSDHR	1.311	C267 C267 C267 ,C267 C267 C267 C267 ,C267 C267 C267 C267 C267 C267	HNRNPH2,HN RNP1
DLAGC*IHGLSNVK	1.311	C418 C366 ,C418	IDH2
LAAC*VNLIPQITSIYEWK	1.311	C73 C115 C73 C96 C96	CUTA
YHEVHYILLDPSC*SGSGMPSR	1.311	C308 C308 C308 ,C308	NSUN5
EIAITNGC*INR	1.310	C75 ,C75 C75	ERI1
VAC*IGAWHPAR	1.310	C253	RPL3
FQDTSQYVC*AELQALEQEQR	1.310	C1364	EHBP1L1
AVLPVTC*HR	1.310	C2083 C2114 C2085 C2125 C2114 C2116 C2094	DOCK7
EAGDVC*YADVQKDGVMVEYLR	1.310	C138	SRSF9
AHGC*FQDGR	1.310	C63	IRF2BPL
MHYPMVEYC*TPTTSGEDVRDFAK	1.310	C292 C900 C292 C900 C1056 C292 C3360 C3359 C3360 C3355 C3356 C3352 ,C292 C292 C292 C292	DMD
AMHQAQTMEGC*SSPMVVK	1.310	C204 C203	CELF1
YAYFNGC*SSPTAPLSPMSPPGYK	1.310	C271	GJA1

FETFC*LDPSLVTK	1.310	C524 C562 ,C531 C524 C562	SRP68
YGIIC*M+EDLIHEIYTVGKR	1.309	C186,M187 C146,M147	RPL7
SGVLEWC*TGTVPIGEFLVNNEDGAHKR	1.309	C2770	ATM
GMLVWSPNHC*VSDAK	1.308	C83	RCOR2
NC*DKGQSFFIDAPDSPATLAYR	1.308	C277 C266	NUBP1
C*FVVPEEPDAAPSLVLIHK	1.308	C685	ZNF408
SAC*M+LSSPESSLTPPLSTNLHLESELDAL ASLENHVK	1.308	C805,M806 C805,M806 C805,M806 C566,M567	TRIM33
IIPBLEEGLQLPSPTATSQPLESDAVEC*LN YQHYKG	1.308	C132 C132	HNRNPK
C*LHPLANETFVAK	1.308	C71 C87 C71 C71 C71 C87 C71 C71 C71 C100 C71 C71 C71 C71 C71 C71 C71	FHL1
DGVADSTVISSMPC*LLMELR	1.308	C57 C57 C57 C57 C57	C18orf25,ARK L1
NFPAIGGTGPTSDTGWGC*MLR	1.308	C74 ,C74 C74 C74 C162	ATG4B
DLLVENVPYC*DAPTQK	1.308	C46 C97 ,C97	LYRM7
C*VSMPGDISGLQGGPR	1.308	C370 C418 C370 C409 C409	PNPLA6
C*TQALYHSSIDALEVMSDQELK	1.308	C369	YARS2
AYCHILLGNYC*VAVADAK	1.307	C62 C62	SUGT1
QASC*SGDEYR	1.307	C200 C228 C200	PGM3
EVGGQGAGNTGGLEPVHPASLPDSSLATS APLC*CTLCHER	1.307	C489 C505	IRF2BP2
HLC*QQLQAEQAAAER	1.307	C1367 C1367 C1365	NUMA1
C*MALSTAVLVGEAK	1.307	C317 C34 C304 ,C317 C304	ALDH6A1
LATTAC*TLGDGEAVGADSGTSSAVSLK	1.307	C63 C63 C63 C63 ,C63 ,C63 C63 C63 C13 C63 C63	SUN1
YAIC*SALAASALPALVM+SK	1.306	C125,M138	RPL4
AHIAQLC*EK	1.306	C617 C621 C617	CLTC
EAVPDIC*TEGQLSEEEGVSVR	1.306	C74	ZNF697
YLGIPGDKEYCISSDDLFLPYC*PGK	1.306	C239 C189 C288 C189 C339 C339 C241 C189 C304 C233 ,C239 C189 C151 C288 C189 C339 C339 C241 C189 C304 C233 C151	TXNRD1
VALALC*LGKPADVYLIDEPSAYLDSEQR	1.306	C475	ABCE1
TSVVFHQLGTAMPM+SVEEGPEC*QGPVVD RR	1.306	M70,C78	ZNRD1
SIAEQAHELAYDPNYMSPFAQFAC*DNGLNV R	1.306	C278	PPTC7
GVLGYGPPGC*SK	1.306	C672 C672 C672	SPATA5
VM+PFSTAC*NTPLSNFESHQNYK	1.306	M179,C185 M179,C185 ,M179,C185	IARS
TVSPPTVC*TIPTVVGR	1.305	C604 C604 C272	PAPOLG
EYC*LGPTHEEAITALIASQK	1.305	C153	PARS2
C*LMDQATDPNIGR	1.305	C4075 C4106 ,C4106	PRKDC
EDLSSEQYEMTEC*PAALAPVRPTHSSVR	1.305	C430	KDM4A

VSDTVVEPYNATLSVHQLVENTDETYC*IDN EALYDICFR	1.305	C183 C183 C131 C131 C201 C201 C201 C201 C201 C201 C201 C201 ,C183 C183 C183 C131 C131 C131 C201 C201 C201 C201 C201 C201 C201 C201 C201 C201 C201 C201 ,C183 C201 C129 C131 C201 C201 C115 C201	TUBB4A,TUBB 6,TUBB2B,TU BB,TUBB4B
M+IHSLFLINC*SGDIFLEK	1.305	M1,C10	AP3M1
TDVNKIEEFLEEVLC*PPK	1.305	C100 C100 ,C100 ,C100 C100 C100	CLIC4
EAVFPFQPGSVAEVC*ITFDQANLTVK	1.304	C89 C89 ,C89	LGALS1
LQVIQC*IDVAEQALTALEMLSR	1.304	C541 C583 C535 C238 C541 C583 C535 C238 ,C541 C583 C535	TRIP12
EAPGSLLLC*SAPSAPEALVDSVIAPSR	1.304	C204	ALKBH4
GC*GVVKFESPEVAER	1.304	C694 C655 C694	HNRNPM
YLC*DFTYYTSLYQSHGR	1.304	C149 ,C72 C149	PGPEP1
RGNLNFTC*DGNSVISPVGNR	1.304	C24	PWP2
ISHLVLPVQPVSSIEEQGC*LF	1.304	C468	TOR1AIP2
C*SSSSGGGSSGDEDGLELDGAPGGGK	1.304	C42	RCC2
EM+FPYEASTPTGISASC*R	1.304	M348,C363 M308,C323 ,M348,C363 M308,C323 M239,C254	TMPO
SDC*LGEHLYM/MVNAK	1.304	C73 C73 ,C73 C73 C73 C73	CLNS1A
AQALQEEC*GYLR	1.304	C227 C227	NEFH
GC*PGAAAAALWR	1.303	C67	SIRT1
VHTVM+TLEQQDMVC*YTAQTLVR	1.303	M264,C273 M302,C311	ILF2
YASPEMC*FVFSDR	1.303	C27 C27	ADSL
NQC*LFTNTQCK	1.303	C68 C68 C68 C93	ZNF346
APELLGC*K	1.302	C177 C177	CDK2
SLHSELMCPIC*LDMLK	1.302	C51 C22 C54 C54	RING1,RNF2
TC*NVLVALEQQSPDIAQGVHLDR	1.302	C104 C104 ,C104	MAT2A
TSTTNGGILTVSIDNPGAVQC*PVTQKPR	1.302	C175 C216 C242 ,C216 ,C175 C216 C242 C175 C216 C242	FYTTD1
GGDGPM+C*RPVILLPEDTPPFLELK	1.302	M1074,C1075	MSH6
TSC*KDDEAVVQAPR	1.301	C992 C993 C1004 C1003 C992 ,C992 C993 C1004 C1003 C992 C432	NUP214
QHKPSIIFIDEVDSLC*GSR	1.301	C257 C233	VPS4A
GC*PIGTGGVLSSQIK	1.301	C53 C15 C53 C53 C53 C53	IFT74
C*AEGYALYAQALTDQQQFGK	1.301	C475	TOMM70
V DENENC*SSLGSPSEPPQTLDLVR	1.300	C151 C151	RPRD1A
QM+SVPGIFNPHEIPEEMC*D	1.300	M1054,C1070	XPO1
TC*ETGPEM+EAESGDTSSGPAQVYLPGR	1.300	C11,M17	GRWD1
ILSLIC*NSSSEKPTVQQLQILWK	1.300	C111 C584 C584 ,C584	PLAA
APPGGC*EERELALALQEALPAVR	1.300	C117	EXOSC6
SSGC*FPNMAAK	1.300	C460	FUBP3
RGEIGLTSEEIASFEC*SGYVMSGSR	1.300	C349	NKAP
TDPPDGQQDSEC*NR	1.300	C127	TXLNG
YC*ELPVECK	1.299	C299	GTF2H2

LC*YNYPIQNYTSTR	1.299	C702 C693 C728	AHCTF1
LEGYWGEAQLC*QAVDEHLR	1.299	C734 C732	PPP1R9B
AC*TTEEDQEK	1.299	C489 ,C489 C390	GMPS
AFPQLGRRPGPEGEGLSQQPPPLQTQAC PESSC*LR	1.299	C84	HEXIM1
ALVLELC*CNDESGEDVEVPYVR	1.298	C1039 ,C1039 C1039	UBA1
TC*SNVNWAR	1.298	C74 C74 C74 C74 C74 C74 ,C74 C74 C74	ZRANB2
C*GGLPNNIVDVWEFLGKPK	1.297	C215 C303 C273	TDP2
LPLC*SLPGEPNGPDQQLQR	1.297	C75 ,C75 C75	ATXN7L3B
ALIVVPC*AEGK	1.297	C96	SREK1
FALAC*NASDK	1.297	C137 ,C171 C68 C137 ,C171 C137	RFC2
SSC*LPAQQVETEGVAPHK	1.297	C963	ICE2
SYSVC*SPR	1.297	C198 C33 C211	INTS6
SLPGPAPC*LK	1.297	C107 C26 C78	AMPD2
GYDFC*QVLQWFAER	1.297	C175 C175	EHD4
ASLNGADIYSGCC*TLK	1.296	C261 ,C202 C261	HNRNPL
IKGC*WDSIHVVEVQEK	1.296	C147 C176 C147 C135	CAPZB
EIEC*SIAGAHEK	1.296	C38 C90 C38 ,C90	THOC7,NIF3L 1BP1
IC*LQPPPTSR	1.296	C41	VARS
LITWSPVC*R	1.296	C155 C156 ,C155 C156 C155 C156	GPX1
VAASC*GAIQYIPTELDQVR	1.296	C134	EIF3M
PMC*IPPSYADLGK	1.296	C13 C13 ,C13 C13 C13 C13	VDAC2
SWC*PDC*VQAEPVVR	1.296	C43,C46	TXNDC17
TTVSMALEEYLVC*HGIPCYTLGDGDNIR	1.295	C78	PAPSS1
NQLKETTEAAC*R	1.295	C133 C164 C176 C232 C176 ,C164 C176 C232 C176	GSTK1
QYLLTQAQPGPWEYHSAVLTSQTPEEIC*A NIIR	1.295	C348	ERAL1
RGDAC*EGDSGGPFVMK	1.295	C564 C525	F2
IYHPNVDENGQICLPIISSENWKPC*TK	1.295	C98 C98 ,C105 C98 ,C98	UBE2L6
VC*VPSSASALGTASK	1.295	C508 ,C508 C508	CBL
LHM+TIFSQSVSPC*GK	1.295	M25,C35	THOC6
SDLYSSC*DR	1.295	C338	RBMXL1
LMHLFTSGDC*K	1.294	C91	GEMIN6
SLALEWAC*SGIR	1.294	C45 C191	PECR
EKPLPVIC*STSAASLK	1.294	C324	SCML2
ASFENNCEIGC*FAK	1.294	C15 C15 ,C15	EIF6
VSQAAAELQQYCMQNAC*K	1.294	C129 C44 C129	GNG10,DNAJ C25
SAEAWAATC*IWDHGPSYLLR	1.294	C108 ,C108 C108	PI15
IQHILCTGNLC*TK	1.294	C41 C73 C45	VPS29
SEDEEDAADTYIIEC*QGIGMTNPNL	1.294	C369 C356	RTCA
EVC*PVLQFLCHVAK	1.294	C22 C22	PPP4R2
QPISC*VKEEIQETQTPTHSR	1.294	C269	NIFK
IISDNLTYC*K	1.294	C205	NOP58
EAITAATC*LTEALVDHLNVGVAQAYMNQR	1.293	C61 C61	BLOC1S1
VC*ISILHAPGDDPMGYESSAER	1.293	C89 C61 C89 C61 ,C89 C61	UBE2G2

TAFQEALDAAGDKLVVDFSATWC*GPCK	1.293	C32 C32 C32 C32 ,C32	TXN
NIDQC*SEIVK	1.293	C1296 C1157 C1302 ,C1296 C1302	RAD50
RC*DIIISGR	1.293	C948	HDLBP
ALLDSSENC*DR	1.293	C903 C877 C866	RPRD2
C*EFQDAYVLLSEKK	1.292	C237	HSPD1
DC*GATWVVLGHSER	1.292	C87 C124	TPI1
HAC*VPVDFEEVHVSSNADEEDIR	1.292	C81 C81 C81 ,C81 C23 C81 C81 ,C81 C23 C58 C81 C81 C81 C23 C58 C81 C81	IDH3G
AAGELGIAVCNIPSAAVEETADSTIC*HILNLY R	1.292	C140 C208 C680	CTBP2
LIC*LVTGSPSIR	1.292	C590 ,C590 C590	DARS2
SLC*NLEESITSAGRDDLESFQLEISGFLK	1.292	C63 C63 ,C63 C63 C63 C63 C63 C63	FAM98B
AC*YLSINPQKDETELEK	1.292	C222 C222	ACTR1A
VLHEAEGHIVTC*ETNTGEVYR	1.292	C20 C20 ,C20 C20 C20 C20 C20 C20	SNRPD3
IYEGQVEVTGDEYNVESIDGQPGAFTC*YLD AGLAR	1.292	C144 C94	RPL5
VLILDEATSALDVQC*EQALQDWNSR	1.292	C641 C641 C641 ,C641 C641 ,C641 C641 C641 C641 C641 C641 C641 C641	TAP2
FSFC*C*SPEPEAEAEAAAGPGPCER	1.292	C26,C26	SQSTM1
DSQC*AAIAER	1.291	C289 C347 C376 ,C376 ,C347 C376	NUDCD1
AVAILC*NHQR	1.291	C630	TOP1
RLDEC*EEAFQGTK	1.291	C103 C92 C31 C36 C92	PSME3
IYHPNINSNGSIC*LDILR	1.291	C56 C86 C56 C85 C85 C85 C56 C85 C87 C79 ,C85 C85 C85 C47 C85 C47 ,C85 C85 C85 C47 C85 C85 C85 C47 C85 C85 C85 C85 C85 C85 C85 C85	UBE2D1,UBE2 D3,UBE2D4,U BE2D2
AVQDLC*GWR	1.290	C428	RCC2
TREEEC*HFYAGGQVYPGEASR	1.290	C51 C51 ,C51	PRDX4
LSTLC*PSAVLQR	1.290	C1134	CAND1
TC*EERPAEDGSDEEDPDSMEAPTR	1.290	C5	WDR55
DC*LIPMGITSENVAER	1.290	C177 ,C136 C177	ACAA1
VPPVLQVLHC*GDESMLDIGGER	1.290	C568 C586	DDX41
SVHYC*PATK	1.289	C193 C158 C148	MCM3
QWC*NCAFLESSAK	1.289	C139	RAP1A
EM+ASC*ITQR	1.289	M111,C114	TSR2
THTYEC*R	1.289	C1130 C1137	POLR2B
IVELAHQGVRPC*DISR	1.289	C52 C52 C52 C52 C52 C52 C52 C52 C52 C52 C52 C56 C52 C52 C51 C52 C52 C52 C52 C52	PAX5,PAX2
ALKDLYC*HK	1.288	C265 C91 C104 C281 C323 C344 C244 C108 C98 C295 C232 C226 C116 C337	CREB1,CREM
LPC*EMDAQGPK	1.288	C196 C187	TES
SVC*PGGSSPGSSSGGGR	1.288	C221	SOWAHC

AATGEEVSAEDLGGADLHC*R	1.288	C267 C229 C42 ,C267 C229 ,C267	MCCC2
VVFC*PVKEALEVDWSSEK	1.288	C214 C133 C214	SAE1
AESPVEVAC*R	1.288	C1401 C1392 C1401	HUWE1
FNEC*GHVLYADIK	1.288	C676 C637 C676 C676 C637 C676 ,C676 C637	HNRNPM
TSAC*GLFSVCYPR	1.288	C148 ,C96 C160	PPP2R1B,PP P2R1A
TEC*PPPAGASAASAASLIPPPPINTQQPGV ATSLLYSGSK	1.288	C90 C90 C90 C90 ,C90 C90	GID4
C*NEEHPAYLASDEITTVR	1.287	C819 C820 C802 C856 C838 C801	OPA1
LTFSC*LGGSDNFK	1.287	C40 C40 C40 C44 ,C40 C40 C44	PTGES3
ELVLDNC*K	1.287	C27 C27	ANP32B
NFSAIINPPQAC*ILAIGASEDKLVPADNEK	1.287	C586 C481 ,C586 C586	DLAT
NNPNESVTANAATNSPSC*TR	1.287	C223 C218 C126 C291 ,C291	SECISBP2
TTTTNM+NPAINYQPQSSSSVPC*QR	1.287	M292,C308	GATAD2B
NSLGSFIC*K	1.287	C31 C31	MED8
SRDIFDC*LEGAAR	1.287	C35 C35 C99 ,C35 C99 C99 C35 C99 C99 C99 C35	TSSC4
C*QPVFSFGNSEQTKDENSSK	1.287	C1087 C1160 C1129	NUP153
MELLSALSPC*LL	1.287	C649	MED17
SDFGSC*PPEEQPR	1.287	C64	OVCA2
LC*AEDVKDFLEHMAVVR	1.286	C342 C378 C378 C342 C378 C378 ,C378 C378 C378 C378	POLR3E
HLEGGC*SVPVAVHTAMK	1.286	C244 C261 C230	HMBS
GC*DVVVIPAGVPR	1.286	C93	MDH2
DSVTC*SPGMVR	1.286	C380	DNAJC1
VGSFGSSPPGLSSTYTGGPLGNEIASGNGG AAAGDDEDGQNLWSC*ILSEVSTR	1.286	C51 C51 ,C51 ,C51 C51 C51 C51 C51 C51	DYNC1LI1
SISSSSFGAEPSAPGGGGSPGAC*PALGTK	1.285	C34 C34 C34 C34 ,C34	RTN3
GMENLLEVQVPEDVEQQLQLDC*R	1.285	C368	HGH1
C*GQGTLAQACQDLPSIR	1.285	C1039 ,C1039 C1039	RPAP1
SEEAPAGC*GAEGGGPGSGPFADLAPGAV HM+R	1.285	C16,M38	RPP25
STAPETAIEC*TQAPAPASEDEK	1.285	C1594 C1587 C1619 C1622	CHD4
LGVENC*YFPMFVSQSALEK	1.284	C1076	EPRS
SC*SPLAFSAFGDLTIK	1.284	C231 C191	MVB12A
FFFDVGC*NK	1.284	C238	PURB
VQILPEC*VLPSTMSAVQLESLNK	1.284	C188 C187 C184 C184	CRBN
KQEAQNEQTSEPSNMDGNSGDADC*FQPA VK	1.284	C228 C344 C32 ,C228 C344	GTF2H1
LHYGTDPC*TGQPFR	1.284	C236 C139 ,C236 C139 C139 ,C236 C139 C139 C236 C139 C139	FLAD1
VDSTTC*LFPVEEK	1.283	C246 C264	GFPT1
HVLTGSADNSC*R	1.283	C76	EIF3I
DC*CVEPGTELSPTLPHQL	1.283	C354	CAMK1
SPLIIFNDC*ELDK	1.283	C707	ALDH1L2
C*MQLTDFILK	1.283	C54 C54	RPL14

DFSHPC*TWQVLDGAEDTLR	1.283	C109	HDHD3
GVSASAVPFTPSSPLLSC*SQEGSR	1.283	C576 C585 C576 ,C576 C585 C576 C39	GIT1
LAC*LSEEGNEIESGK	1.283	C51 C183 C213	DIS3
NIDPKPC*TPR	1.283	C85 C85 C85 C85	DAZAP1
TNGILFC*GR	1.283	C374 C370 C389 ,C389	SERPINB6
SHFEQWGTLTDC*VVMR	1.283	C43 C43 C43 C43 ,C43 C43 C43 C43 C43 C43 C43 C43	HNRNPA1
IALESEGRPEEQMESDNC*SGGDDDWTHLS SK	1.283	C331	SQSTM1
TC*LSQLLDIMK	1.283	C170 C170 C244 C170 C170 C244 ,C244 ,C170 C170 C244	CCNH
KIVEAC*K	1.283	C182 C182	ATG3
KGVSQTGTPVC*EEDGDAGLGIR	1.282	C1375 C1380 ,C1380	TP53BP1
DLLGLC*EQK	1.282	C528	XPO1
C*IHEDLLGLTFR	1.282	C392 C392 C392	TRMT2A
EKLC*YVGYNIEQEQQ	1.282	C221 C166 C226	ACTR2
HFNYDIC*QSCFFSGR	1.282	C269 C269 C269 C269 ,C269 C877 C269 C877 C1033 C269 C3337 C3336 C3337 C3332 C3333 C3329	DMD
SGEEDFESLASQFSDC*SSAK	1.282	C40 C113 ,C113 ,C113 C113	PIN1
GHVLGNGSQVTQAANSKC*SK	1.282	C560 C560 C560 ,C560 C560	LUZP1
FAEKEWDSEASC*PK	1.281	C169 ,C169 C21	AVEN
SKDSLVCQSC*PGSLSLCAGVK	1.281	C1029	SRRM2
VC*ALLSCTSHKDYPFHEEF	1.281	C299	AKR1B1
KC*NGGAINCTNVQISDSPFR	1.281	C298 C283 C298 C283 ,C298 C283	PPA2
IAVYSC*PFDGMITETK	1.281	C244	CCT8
NVTQIEPFC*LETDRR	1.280	C630 ,C594 C630	TPX2
IISNASC*TTN	1.280	C152	GAPDH
CPEALFQPSFLGMESC*GIHETTFNSIM+K	1.280	C272,M283 C272,M283 ,C272,M283	ACTG1,ACTB
VQIVSIKDYFLEFEGDPHC*LR	1.280	C223 C318	GNA13
C*CLWIQDLCMDLQNLKR	1.280	C172 C172	ADSL
RVFAEC*NDESFWFR	1.280	C38 C38 C38 C38 C38 C38 C38 C38 C38 C38 C38 C38 ,C38 C38 C38 C38 C38 C38 C38 C38 C38 C38 C38	OCIAD1
IISNASC*TTNCLAPLAK	1.280	C152 C152 C152 C152 ,C152 ,C152 C152 C152	GAPDH
ELHGQNPVVTPC*NK	1.279	C159 C159 C159 C159 C159 C159 C159 C159 ,C159 C159 C159 C159	CPSF6
DVATVAFC*DAQSTQEIHEK	1.279	C43 C54 ,C43 C48 C43 C54 C43 C43 ,C48 C43 C54	CTBP1
SNPGGFGIAPHC*LDEGTVR	1.279	C240 C83 C237 ,C240 C237	CENPV
AESLIGVYPEQGD*C*VISK	1.279	C1188 C1210	SMC1A
VTGPGGSPC*LGSER	1.279	C107	LIN28B
VVNSETPVVVDVFAQWC*GPCK	1.279	C90 C90 C90 C90 ,C90 C90	TXN2
C*EHDPHVLLAVAK	1.279	C837 C797	PRPF6
AVGDGILC*NTYIDSYKGTVDVCVQAR	1.279	C264 C275	PDCD4

DEFTNTC*PSDKEVEIAYSVDVAK	1.279	C234	CLIC4
LSFDSSPTSSTDGHSSYGLDSGFC*TISR	1.279	C161 C161	CDC42EP1
FALAC*NASDKIIEPIQSR	1.278	C137 ,C27 C171 C68 C137 ,C171 C137	RFC2
GLLLDC*NVALTLKV	1.278	C285	ELMOD2
QALPC*VAESPTVHVEVHQR	1.278	C14	TRIP13
SGGSGGC*SGAGGASNCGTGSGR	1.278	C17 C17 C17 ,C17 C17 C17 C17	SPCS2
HGAGSGC*LGTMEVK	1.278	C13 C13	PARD6B
AVLNNVIFC*HQEDSNWPLSEGK	1.278	C157 C18 C163	RAD50
MFHPNVYADGSIC*LDILQNR	1.278	C88 C88 C13 C88 C55 C88 C87 C88 C88 C13 C88 C55 C88 C87 ,C88 C88 C13 C88 C55 C88 C87	UBE2A,UBE2 B
VVLVFGYNCC*K	1.278	C228	FBXO22
C*HDYTTTEFLYNLYSSEGK	1.278	C630 ,C630 C630	PFKL
QQQEAGEPGGGGGASDTGGPDGC*GGE GGGAGGGDGPEEPALPSLEGVSEK	1.278	C332 ,C332 C303	RING1
GPDPGEDLADLEVVPSPGDC*LPEEADG TDTHLGLPAGASQPALTSSR	1.278	C266 C266 C266	TBC1D4
LKDSLVSLLQFC*K	1.278	C621 ,C138 C621	CPSF2
LDGAIDQLLTQSPGDYIPISYEIQIYSC*VYK	1.278	C166 C43	CACUL1
SC*ENLAPFNTALK	1.277	C237 ,C306	AIMP2
NQLC*DLETK	1.277	C62 C62	DNMT1
AGEVVPAM+YQFSQYVC*QQTGLQIPQLP APPK	1.277	M74,C82 M52,C60 M74,C82 M52,C60 ,M74,C82 M52,C60	C19orf70,MIC1 3
FASGGC*DNLIK	1.277	C190 C233 C173 C187	SEC13
TSVVFHQLGTAMPMSVEEGPEC*QGPVVD R	1.277	C78	ZNRD1
LVVPATQC*GSLIGK	1.277	C109 C109 C109 ,C109 C109	PCBP1
KAAAPAEPEEMDEC*EQALAAEPK	1.277	C316 C266	EEF1G
ILQDDIESLM+PIVYTPTVGLAC*SQYGHIFR	1.277	M108,C120 M108,C120 ,M108,C120	ME2
LSC*SELSLYQPLQNSSK	1.277	C937 C937 C937	PTPN13
SHLMSLYSAC*SSEVPHGPDVQK	1.277	C142 C109 ,C142	BAG2
KAC*QIFVR	1.277	C653 C614 ,C653 C614 C653	HNRNPM
VDASVAVFC*EIQNTLINTLIR	1.277	C37 C139	ACADSB
HTLDGAAC*LLNSNKYFPSR	1.277	C170 C102 C113 C134	MOB4,HSPE1
NHLLPDIVTC*VQSSR	1.276	C184 C184 ,C184	NTPCR
QVQSLTC*EVDALK	1.276	C328 ,C328 C328	VIM
LRPAAAPLEELTMGTSC*LPDTFTK	1.276	C1704 C1704	GTF3C1
AENGLLMTPC*YTANFVAPEVLKR	1.276	C579 C559 C564 C584 C575 C483	RPS6KA1,RP S6KA3
EHILPSLAHLLPALDC*LEGSTPGL	1.276	C243	HDHD3
TDQYLC*DADR	1.276	C707 C722 C682 ,C585 C633 C707 C722 C682	MTO1
SLQQPGLPSQSC*SVQSSGGQPPGR	1.275	C195 C515 C435 ,C195 C515 C195 C515	CRTC2
ESNPC*PVITVEHFK	1.275	C113 C145	AAK1
LTSDPTDIPVVC*LESNNGNIMIQQ	1.275	C65 C148 C66 C54	LAMTOR5
NSC*PLTPVVSK	1.275	C182	MRM1
NQASC*GSCYSFASMGMLEAR	1.275	C212 C255	CTSC

LHAVNAEEC*NVLQGR	1.275	C338 C368 C333	ECI2
C*NSMQSEYR	1.274	C141 C139	STX4
AAAYNLVQHGITNLC*VIGGDGSLTGANIFR	1.274	C114	PFKL
MC*LFAGFQR	1.274	C594 C575	HNRNPU
QAAEC*GPEPGVSGVGELIVR	1.274	C97	RDH14
NFILDQC*NVYNSGQR	1.274	C538 C538	HNRNPUL2
YVAAAFPSAC*GK	1.274	C306	PCK2
DGDMHSSSLTVEC*SK	1.274	C489 C494 ,C494	TP53BP1
SC*SLVLEHQPDNIK	1.274	C296 C295	FKBP8
IDVSINEC*YDGSYAGNPQDIHR	1.273	C471 C494	SUZ12
VQVSDPESTVAVAFPTIPHC*SM+ATLIGLS IK	1.273	C93,M95	FAM96B
VPLASQGLGPGSTVLLVVDKC*DEPLSILVR	1.273	C70 C70 C78	ISG15
ANDGGLAAGAPAM+HMASYGPEPC*TDNSD SLIAK	1.273	M75,C85	AKAP8
ALEMCPSC*FQK	1.273	C149	TTC1
QYLPGNEQGVAC*SGSDPSWK	1.273	C234	CIAO1
C*RDVFEPAR	1.273	C132	ADPRHL2
SAGAC*TAAAFK	1.273	C431 C462	LAP3
TESPVLTSSC*R	1.273	C663 ,C648 C663	UNC45A
AC*GQIFCGK	1.273	C169 C185 C185	HGS
DTSDTQDANDSSC*K	1.273	C187 C32 C726 C723 C19 ,C187 C32 C19 C726 C723 C19 C19	DLGAP4
C*LTQQAVALQR	1.273	C1184 C1196 C1138	CLUH
LC*SGPGIVGNLVDPSAR	1.272	C245 C245	GMPPB
DHEKDAFEHIVTQFSSVPVSVVSDSYDIYNA C*EK	1.272	C287 C287 ,C287	NAMPT
YVC*EGPSHGGLPGASSEK	1.272	C61 C62	NFKB1
RISASC*QHPTAFEEAIPK	1.272	C327 C345	DNPEP
C*ATPVIIDEILPSKK	1.272	C145 C145 ,C145	TPX2
SEGGFIWAC*K	1.272	C269	IDH1
MGIGLSENAAGPC*NWDEADIGPWAK	1.272	C498 C431 C498 C516	MAGED2
QC*MM+FSATLSK	1.272	C223,M225	DDX39A
LLAVAIGADC*TYPELTDK	1.271	C637 C769 C799	DIS3
QVQFPVIQLQELMDDC*SAVLENEK	1.271	C512	QRSL1
YFCHC*CSVEIVPR	1.271	C15 C15 C15 C15	RNF126
LKNWEPC*DR	1.271	C213	XIAP
AHVVPC*FDASK	1.271	C1157 C1157 C1157 C1130 ,C1130 C1157 C1157 C1157 C1130	FLNA
FLC*ESVFSYQVASTLK	1.271	C55	ANAPC16
C*PFVENTWK	1.271	C259 C257	C3orf38
SGTIC*SSELPGAFEAAGFHLNEHLYNMIIR	1.271	C190 C160 C200 C190 ,C190 C200 C190	CAPNS1
RNAEFLTC*NIPTSNASNNMVTTEK	1.271	C435 C392 C435 C392 ,C435 C392	ADAR
SSVNC*PFSSQDMK	1.271	C1029	DHX9
RGPQLVC*TGSDDGTVK	1.271	C168 C168	SNRNP40
AAC*LLDGVPVALKK	1.271	C53	NEK7

EEASLLSHSPGTSNQSQPC*SPKPIR	1.270	C29	PCIF1
FGEVVDC*TIKTDPVTGR	1.270	C58 C58 C177 C177	HNRNPD
NKDAVNQMAVC*PGNAVEPLPSNSENLNK	1.270	C1442 C1409 C1409 C1442 C1456 ,C1442 C1409 C11 C1409 C1442 C301 C1456 C378	MPDZ
NSC*VQQSDNLK	1.270	C1621 C1709	PHF3
MVVTFMLSALESMC*K	1.270	C34 C34 C34 C34 ,C34 C34 C34 C34 C34 C34 C34 C34	GTF2I
LNIISNLDC*VNEVIGIR	1.269	C390 ,C211 C390 ,C390 C275 C402 C402 C357 ,C390 C402 C402 C338 C357	PPP2R1B,PP P2R1A
WC*AEPSSTVNTPHNR	1.269	C160 C160	ZBTB1
C*DLSPWAVSR	1.269	C127	RAB29
SVLLCGIEAQAC*ILNTTLDLLDR	1.269	C114 C114 C114 ,C114 C114 C114 C114 C114 C114 C114 C114 C114	ISOC2
GTLTLC*PYHSDR	1.269	C649 C620 C779 ,C649 C779	PSMD2
KHDIM+IQENGNGLC*FEK	1.269	M486,C496	PPAT
IDVQQLAC*DPYLLPHIR	1.269	C683 C566 C715 C737	TLK2
LQDAFSSIGQSC*HLDLPQIAVVGQSAGK	1.269	C27 C27 C27 C27 C27 ,C27 C27 C27	DNM2
SLTPVTLVLAEDGTIVDDDDYFLC*LPSNTK	1.268	C78 C78 ,C78 C78 C78 C78	DFFA
ADVIVLAGTVC*DFR	1.268	C354	ILVBL
C*APASSVPAEAEELAGEGIVNTGPK	1.268	C2 ,C35 ,C35 C2 C24	PDCL
AITIAGIPQSIIEC*VK	1.268	C158 C158 C158 C158 C33 ,C158 C158 C33	PCBP2
TYVDQAC*R	1.268	C61 C15 C70 C14	NXT2,NXT1
LARPAVLDDFVSTIDLPNYGC*TIPEK	1.268	C599 C604	HGF
GPC*IYNEDNGIIK	1.268	C208	RPL4
THEAEIVEGENHTYC*IR	1.268	C2159 C2199 C2191 C2172	FLNA
SASASPLTPC*SVTR	1.268	C373 ,C373 C336	MAP7D1
TGNKYNVYPTYDFAC*PIVDSIEGVTHALR	1.268	C381	EPRS
GDSEPTPGC*SGLPGGVR	1.267	C13 C13 C13 C13 C12	TSEN15
C*VLPEEDSGELAKPK	1.267	C305 C318	STRAP
THLEPAPYICC*ECGK	1.267	C221 C230 C230 C199 C230	ZNF691
SLQEEPC*PR	1.267	C375 C490 C582	MKLN1
SVVC*QESDLPDELLYGR	1.267	C187	LANCL2
C*ASQSGM+TAYGTR	1.267	C132,M138 C196,M202 C164,M170 C175,M181 ,C196,M202 C164,M170 C175,M181 ,C164,M170	CNN2
VLSSC*PQAGEATLLAPSTEAGGLTCASA PQGTLR	1.267	C88 C86	CD3EAP
VC*EDLDTSVNLAWTSGTNC*TR	1.267	C210,C227 C210,C227 C210,C227 C210,C227 C210,C227 C210,C227 C225,C242 C225,C242 C225,C242 ,C210,C227 C210,C227 ,C210,C227 C210,C227 C210,C227 C210,C227 C210,C227 C210,C227	VDAC2

DTQTSITDSC*AVYR	1.266	C100	SRPRB
C*SNPLDTSVK	1.266	C218	CTPS1
KGVSASAVPFTPSSPLLSC*SQEGSR	1.266	C576 C585 C576 ,C576 C585 C576 C39	GIT1
ASEEPGLSLGPPAPPALPPLQGEESVC*DG TFEPAEGLAGFHSSSPR	1.266	C200	KANK4
C*SILAAANPAYGR	1.266	C482 ,C306 C482	MCM7
LVYGGM+SGC*R	1.266	M224,C227 M224,C227 M224,C227 M224,C227	HCFC1
KLDTNSDGLDFSEFLNLIGGLAMAC*HDSF LK	1.266	C91 ,C91 C91	S100A11
ENEITGALLPC*LDESR	1.266	C80 C80 C80	SAMHD1
HIGDGC*CLTR	1.265	C202 C202	METTL7B
DASTSPNRETIGSAQC*K	1.265	C171 C171	PCM1
SNC*LGTDEDSQDSSDGIPSAPR	1.265	C140 C192 C186 C225 C173 C134 ,C140 C192 C225 C173	KAT5
FAPEMDDYVGTFLGEC*QDDPER	1.265	C363 C363 C283	MYBBP1A
DLHQNCPHCQVMYCSAEC*R	1.265	C123 C123 ,C123	SMYD5
FALNHPELVEGLVLIN/DPC*AK	1.264	C71 C166 C154 C166 C77 ,C166 C154 C166 C166 C154 C166 ,C166 C154 C166	NDRG3
EKEHYC*LADLASLMDK	1.264	C49 C49	MRPS27
GAVVGIDLGTNSC*VAVMEGK	1.264	C66 C66 ,C66	HSPA9
IC*DPYAWLEDPDSEQTK	1.264	C25	PREP
AAAPAPEEEM+DEC*EQALAAEPK	1.264	M313,C316 M263,C266	EEF1G
LEFSIYPAPQVSTAVVEPYNSILTTHTTLEHS DC*AFMVDNEAIYDICR	1.264	C200 C200 C200 C200	TUBA1C,TUBA 4A,TUBA1B,T UBA1A
NSAEIHHGLSSLTAC*QLR	1.264	C118 C118	TERF1
MLSC*AGADR	1.264	C105 C105 ,C105	RPL10,RPL10 L
C*SGDGVGAPR	1.263	C13	PPM1G
GEIGC*FLSHYSVWK	1.263	C413 C150 C21	COLGALT2
APVPSTC*SSTFPEELSPPSHQAK	1.263	C160 C160 C160 C160 C160 C160 ,C160 C160 C160	NUMA1
LSSIIC*GTASYHGFLPVLVR	1.263	C349 C349 C349	HUWE1
VICAEEPYIC*KDFPETNNILK	1.263	C456 ,C456 C357	GMPS
FLSSSEVDSPNVLTVQKPYGGSGPLYTC*V PAGSPASSSTLEGK	1.263	C999	ZNF217
NTGQTC*VCSNQFLVQR	1.263	C312 C353 C340	ALDH5A1
STPYEC*GFDPMSPAR	1.263	C39	MT
LDVGNFSWGSECC*TRK	1.262	C72	RPS8
FAGMPITLTVSTSSLNLMAADC*K	1.262	C248 C248 C248 C248 C248 C248 ,C138 C248 C248 C138	SHC1
GLENLTLDDLSC*NPEITDAGIGYLFSSFR	1.262	C242	LRRC42
SSSLNSGNLNPAC*R	1.262	C559 ,C559 C75 ,C559 C559	SCML2
FTYC*SQVLGLHCHYK	1.262	C498	TRIM25
C*PVTIPEDQKK	1.262	C169 C123 C108 ,C152 C18 C169 C123 C108	PARN
ESLC*DSPHQNLSRPLENK	1.262	C65 C65 C65 ,C65 C65	U2SURP
TAIC*NLILGNPPSK	1.262	C226	PNO1
VGDLPD*DSVEDQLSLATTLYDK	1.262	C613	NO66

M+KVELC*SFSGYK	1.262	M1,C6 M1,C6 M1,C6 ,M1,C6 M1,C6 M1,C6 M1,C6 M1,C6 M1,C6	RPL24
SVHYC*PATKK	1.262	C193 C158 C148 ,C193 C148	MCM3
SSLC*VNGSHIYNEEPQGPVR	1.261	C337	RAB11FIP5
ECISIHVGGAGVQIGNACWELYC*LEHGIQP DGQMPSDK	1.261	C25 C25 C25 C25 C25 C25 C25 C25	TUBA1C,TUBA 3C,TUBA1B,T UBA1A
FC*TGLTQIETLFK	1.261	C254	CKB
SLGTPEDGMAVC*MFMQNTLTR	1.261	C52 C127 C127 C52 C127 C133 ,C52	ECHDC1
GQLC*ELSCSTDYR	1.261	C342	PRMT1
NYDLDYDSVQPYFYC*DEEENFYQQQQSE LQPPAPSEDIWK	1.261	C40 C25 C39 C40 C39 C25 ,C40 C25 C39 C40 C39 C25	MYC
GFVTMTLESLEEIQDVSC*AWK	1.261	C603	DDX50
LPEGC*GGGGGGSEEVQFSAGR	1.260	C18 C18	CARNMT1
LPTPTYGDLNHLVSATMSGVTTC*LR	1.260	C239	TUBB8
NILGGTVFREPIIC*K	1.260	C154 ,C154 C102	IDH2
LVVPASQC*GSLIGK	1.260	C109 C109 C109 C109 C109 C109 C109 C109 C141 C141 ,C109 C109 C109 C109 C109 C109 C109 C109 ,C109 C109	PCBP3,PCBP 2
VYEVNEDPETAFC*TLANR	1.259	C617 C603 C618 C308 ,C617 C603 C618	USP16
NELQEPC*DSPK	1.259	C1518	PCF11
AQVCQQAHEHSFAGMPC*GIMDQFISLMGQK	1.259	C212 C182	GALK1
LEC*VEPNCR	1.259	C72 C72 C72 C72 C108	RPL36AL,RPL 36A
LNFIVTGLQDIDKC*R	1.259	C54	MED10
SKLES LC*R	1.259	C212 C245	TXLNA,TXLNG
VASASAGSC*DVPSPFNHR	1.259	C308 C310 C308	DBN1
LSLDGQNIYNAC*CTLR	1.259	C250 ,C250 C281 C250 C250	PTBP1
KIISNASC*TTNCLAPLAK	1.259	C152	GAPDH
IYDPEIPTDEVENEFQSQQNISASVNPNVIC *NSMFPVEDVFR	1.259	C259 C259	ZNF638
NAGGEEAALALAEGLHC*GSALFR	1.259	C200	DOHH
DSC*PLDCK	1.258	C6 C6	SRSF3
ATILD LSC*NK	1.258	C48	LRRC59
C*NIPTSNASNNMVTTEK	1.258	C435 C392	ADAR
EELC*PGNLSLVDTR	1.258	C548 C818 C815	RSBN1L
VLQEALC*VISGVPGLK	1.258	C648	GCN1
NYMVQTEDQYSFIHEALLEAVGC*GNTEVPA R	1.258	C1204 C1208 C1613 C1642 C1651 C1233 C1642 C1204 C1631	PTPRS
C*VDEVAFQEEVAVLKK	1.258	C48 C48 C48 ,C48 C48 C48 C48 C48 C48 C48 C48 C48 C48 C48 C48 ,C48 C48 C48 C48 C48 C48 C48 C48 C48 C48 C48 C48 C48 C48 C48 C48	RFC4

FNVGEDC*PVFDGLFEFCQLSTGGSVASAV K	1.258	C100	HDAC1
KC*PFYAAEQDK	1.258	C236 C265 C319	HMOX2
VC*EVDNELR	1.258	C341 C317 C341	SAMHD1
SIQFVDWC*PTGFK	1.258	C347 ,C347 C347 C347 C347 C347 C347 , C231 C231 C332 C347 C332 C347 ,C347 C347	TUBA4A,TUBA 1B
YDGGSTFQSTTGHC*VHMR	1.257	C290 C290	HNRNPH1
LDVGNFSWGSEC*CTRK	1.257	C71	RPS8
QVLM+GPYNPDC*PEVGFFDVLGNDR	1.257	M121,C129	ACBD3
NALANPLYC*PDYR	1.257	C192 C192 C164 C192 ,C192 ,C192 C192 C192	UQCRC2
DMNLTGC*LESGGSEEPGGIGVGEKDWTS VNVK	1.257	C1208	TNKS1BP1
MC*DFGISGYLVDSVAK	1.257	C196 C212 C178 C207 ,C196	MAP2K6,MAP 2K3
HELQANC*YEEVK	1.257	C122 C139 C177	CFL1
DLEAADAALQAGNGEEEEILPHC*NLQVFTY TCDVGK	1.257	C108	RDH10
LNQVC*FDDDGTSPPQDR	1.256	C299 C422 ,C422 C299 C422	NUP93
VPPVLQVLHC*GDESM+LDIGGER	1.256	C568,M573 C586,M591	DDX41
VEMSVNDKAEASGC*R	1.256	C730	TRMT1L
SETQPC*TPSSSDYDLQR	1.256	C334	VASP
FTTEIHPSC*VTR	1.256	C612	EPHA2
TTEC*ISEESEPEDQKLTLEK	1.256	C126	GRPEL2
ASC*LYGQLPK	1.256	C48 ,C48 C48	GSTP1
TC*ETGEPMEAESGDTSSSEGAQVYLPGRG PPLR	1.255	C11	GRWD1
RLIPDGC*GVK	1.255	C195	RPL10
AALVVDNGSGMC*K	1.255	C17	ACTB
TQSPC*FGDDPAK	1.255	C256 C324 C344 ,C324 C344	SCRN1
AVVVC*PK	1.255	C607 C588 C607 C588 ,C607 C588	HNRNPU
SACGVC*PGR	1.254	C49	RPL34
TVRPFMSVCC*PVNENAAALVSDGR	1.254	C364 C105 C105	WDR11
GLFYC*MWMQDKPLLQEELGR	1.254	C62	RRP1
TAIHTAAMDMLGGPGIESQC*R	1.254	C218	HSDL2
ECISIHVGQAGVQIGNAC*WELCYCLEHGIQP DGQM+PSDK	1.254	C20,M36 C90,M106 C20,M36 C20,M36	TUBA1C,TUBA 1B,TUBA1A
LC*DLYYINSPELELEELNAK	1.254	C240 C260 ,C158 C240 C260	PDK1
APYQENDGYC*PDLELSDSEAESDGNKEK	1.254	C768	JADE3
GSQM+GTVQIPIC*LLSMPTR	1.254	M523,C531 M551,C559	FAM120A
DYAFPYPQDC*NPR	1.253	C157	PI15
TLSGLLEWEC*K	1.253	C500 C471 C505 C505 C500 C471 ,C500 C505	HNRNPLL,HN RPLL
VPQC*PSGR	1.253	C88	ADRM1
AC*FGTFLPEEK	1.253	C80	SDHAF3
DQQEAALVDMVNDGVEDLRC*K	1.253	C102	GSTP1
C*MYPFIAQR	1.253	C320	RDH10
LC*SSSSDTSSR	1.252	C385 C406 C363	ZC3HC1
DFEADDTC*LAHCWVVVR	1.252	C47 C47	THG1L

EHYC*LADLASLMDK	1.252	C49 C49	MRPS27
GC*QDFGWDPFCQPDGYEQTYAEM+PK	1.252	C146,M167 C105,M126 ,C146,M167	ITPA
EDFAEVC*KR	1.252	C103 C103 C103 C103	MMTAG2
YGDSEFTVQSTTGHC*VHM+R	1.252	C290,M293 ,C290,M293 C290,M293	HNRNPF
HGVQEC*ILLVTQR	1.252	C428 C383 C355 C382	ARHGEF2
LTWHSC*PEDEAQ	1.252	C177	CBX3
SC*PFADVAPLQLK	1.252	C6 C6 C6 C6 C6	SIVA1
FKEC*HSMLDINALFAEAK	1.251	C95 C100 ,C95 C45 C100 C54	BLOC1S6
C*PEALFQPSFLGMESCGIHETTFNSIM+K	1.251	C257,M283	ACTB
SIPIC*TLK	1.251	C632 C632	UBA1
SEVNDDQDAILCEASC*QK	1.251	C313 C350	PYGO2
DKPYPCD*PFLLLDVR	1.251	C155 C136 C171 C136 C171 C168	CEP41
NC*GC*LGASPNLEQLQEENLK	1.251	C32,C34 C32,C34 ,C32,C34	RARS
HPLTQELKEC*EGIVPVPLAEK	1.251	C105 C105 ,C105	MRPS6
HTEDREEGMDVEEGEMGDEEAPTTC*SIPID YNLYR	1.251	C226 C226 C226 C209	THOC1
FIAGTGC*LVR	1.251	C217	PGP
HC*LPTLADAK	1.251	C257 C179	UIMC1
SHLLAADAPSSAAWVQTLR	1.250	C115	DOK1
SNVDDMVQSNPVLTPGEEPDC*VVIK	1.250	C252 C326 C380 ,C380	ISYNA1
GQHVIC*VTPK	1.250	C416 C416	KAT8
GAQGGDYFYSGGC*HR	1.250	C99	SRXN1
SSVNC*PFSSQDMKYPSPFFVFGEK	1.250	C1029	DHX9
DLSYC*LSGM+YDHR	1.250	C267,M271	HNRNPF
TEQDHYETDYTTGGESC*DELEEDWIREYPP ITSDQQR	1.250	C409 C409 C158 C87 C409 C355	OCLN
DIALVQQLFEALC*K	1.250	C621 C449	ECM29,KIAA0 368
HLNEIDLFHC*IDPNDSK	1.250	C58 C58 C62 ,C58 C58 C58 C62	PTGES3
SSHAVC*NAQHDLPLSNPVQK	1.250	C90 C90 C90	GKAP1
LAEMENSNGSYLNDISPNESIDDEHLLIQH YC*QSLNQDSPLSQPR	1.250	C408 C2135 C3475 C3476 C408 C1003 C1016 C3472 C747 C3468 C1016 C395 C3476 C3471 C395 C2132 C1159	DMD
TGIEQGS DAGYLC*ESQK	1.250	C322	HADHA
SGDAAIVDMVPGKPMC*VESFSDYPLG	1.250	C411 C409 ,C411	EEF1A1
FWAEEDGPFPCPECADDC*WQR	1.250	C56	RNF187
VHIPNDDAQFDASHC*DSDKGEFGGFSVT GK	1.250	C141 C97 C141 C97 ,C141 C97	RBBP7
IYC*EDKQTFQLQDCEDDGETAAGGR	1.250	C226 ,C226 C108	IMPACT
C*YSAEVVTLWYRPPDVLFQAK	1.249	C157 ,C125 C157	CDK5
IHMGC*AENTAK	1.249	C196 C196 ,C196	ACAT1
VNC*LAPGLIK	1.249	C175 C7 C212 C209 C157 ,C175 C209 C157	DHRS4L1,DHR S4
C*TVDGSPHELESR	1.249	C337 C337 C218 ,C337 C337 C187 C218	STRN4

MHYPMVEYC*TPTTSGEDVR	1.249	C292 C2019 C3359 C3360 C292 C900 C900 C3356 C631 C3352 C900 C292 C3360 C3355 C292 C2016 C1056 ,C292 C900 C292 C900 C1056 C292 C3360 C3359 C3360 C3355 C3356 C3352	DMD
AQAWC*YSK	1.249	C143 C143 ,C96 C143 C143 C102	RAB7A
HFVGM+LPEKDC*R	1.249	M57,C63 M74,C80	DSTN
DC*HEEVYAGSHQYPGR	1.248	C487	ACBD3
VLTMPETC*R	1.248	C867 C898 ,C898 C898	PSMD1
IRQPAAC*PGGEEVDGAPR	1.248	C233 C233 C233 ,C233	GTF3C2
TMLENVQOELVGEPRPQAPPSLPTQGPSC* PAEDGPPALK	1.248	C803 ,C735 C730 C803	SECISBP2
SSC*LPAQQVETEGVAPHKR	1.248	C963	ICE2
ALC*GLDESK	1.248	C682 C552 C618 C568 ,C682	LONP1
LQAQQDAVNIVC*HSK	1.248	C37 C22 C37 C37	PSMD4
LGHILVVDEADKAPTNVTC*ILK	1.248	C825 C858 ,C825 C858 C825 C858	VWA8
DPQGFINDWLQSQC*R	1.248	C460 C258 C60	SMARCD1
THFFLNAGNLC*NLNYGEGPK	1.248	C403	SAMM50
IIEQEGVYIHSSC*GK	1.248	C32 C32 ,C32	TBC1D15
HFVLDEC*DK	1.248	C197 ,C197 C197	DDX39A
SMNIVSNASC*TTNCLAPLAK	1.247	C224 C156	GAPDHS
VAC*AEWQESR	1.247	C87	TIPRL
TAGTIC*LETFKDFPQMGR	1.247	C602 C601 C593	GSPT1,GSPT 2
ESFEGQMTEDNIEVGIC*NEAGFRR	1.247	C213 C213	PSMA2
VC*ATLPSTVAVTSVCWSPK	1.247	C186 C186 C186 C186 C186 ,C186 C186 C186 C186 C186 C186 C186 C186 C186 C186	NUP214
QKPC*DLPLR	1.247	C194	IGF2BP3
TRPDGNC*FYR	1.247	C91 C91	OTUB1
AAASGQPRPEMQC*PAEHEEDMYR	1.246	C47 C47 ,C47	OTULIN
ANPDPNC*CLGVFGLSLYTTER	1.246	C118 C18 ,C118 C18 C118 C18	TRA2B
EHGAAGAIRPLVSTVVSPSADGC*LDYSLER	1.246	C198	ISPD
PGC*ELPVGTCPDMCPAAER	1.246	C20 C4 C50 C50	SAC3D1
TTC*MSSQGSDEDIKR	1.246	C22 C22 C7 C22 C22	44449
C*NFESNFPR	1.246	C770	CHAMP1
LVHSGSGC*R	1.246	C391	SNTB2
QHC*AYTIAK	1.246	C166	HSDL2
VC*GDFQDIER	1.246	C175	DTX3L
NGDIC*ETSGKPK	1.246	C60 C60 C60 C60 C60 C60 ,C60 C60 C60 C60 C60	SMN2,SMN1
FQYC*VAVGAQTFFPSVSAPSK	1.246	C692 C649	ADAR
MKFDVFEDFISPTTAAQTLFTAC*SK	1.246	C401	IPO7
DLATPVMQPC*TALDSHK	1.246	C480	TXLNG
HIEALLGSPC*GK	1.246	C81 C81 ,C81	CARS
AGPGSLELC*GLPSQK	1.245	C583 ,C565 ,C583 C565	RRP1B

SAYALC*TFALSTGDPSQPVR	1.245	C116	ITPA
DGPLGETVLECYNCGC*R	1.245	C188 C188	UPF1
GISC*M+NTTLESEPFK	1.245	C242,M243	PPA1
KHDIMIQENGNLECF*FEK	1.245	C496 C496 ,C496	PPAT
FSGGYPALMDC*MNK	1.245	C138	NIPSNAP1
LTPGC*EAEAETEAIFFVQQFTDMEHNR	1.244	C2359 C2357	FASN
EALFQPSFLGMESC*GIHETTFNSIMK	1.244	C272 ,C272 C272	ACTG1,ACTB
NQSFC*PTVNLDK	1.244	C70 C70 ,C70 ,C70 C70 C13	RPL27A
ANC*IDSTASAEAVFASEVK	1.244	C268 ,C268 C244 C183 C206	FBL
NLEAELGPSPPAPDVLEFTDHGGSGFVGGGL C*QVAAAYQELFAAQGPAGAEK	1.244	C316 C192	VPS51
LPMASALPEALC*SQSR	1.244	C1488	PARP4
ALSGYC*GFM+ANLYAR	1.244	C888,M891	COPB1
YKDLEQQDC*EIAQEIQEK	1.243	C85 C85	CCDC50
SSDC*PYIVQFYGALFR	1.243	C158 C169	MAP2K4
EREQHIAEC*MAK	1.243	C124 C124 ,C124	GADD45GIP1
LGTLAPFC*CPWEQLTQDWESR	1.243	C705	POP1
SQFC*ENSNDTVK	1.243	C551	NPAT
EMAAMC*LGLAHSLSR	1.243	C139	NOP58
TTSSANNPNLMYQDEC*DRR	1.243	C586 C584	DDX17
DPC*AAPNEGFCAGVQTEAGVADLTWVGE R	1.243	C65 C65 C65 ,C65 ,C65 C65 C65 C65	WDR77
SILSPGGSC*GPIK	1.243	C215 C215 C215 C215	GTF2I
KGAVEC*CPNCR	1.243	C149 ,C149 C149	DNAJA1
AC*SVGAVPGITK	1.243	C278	GNL3L
LTPGC*EAEAETEAIFFVQQFTDM+EHNR	1.243	C2359,M2378 C2357,M2376 C2359,M2378 C2357,M2376 C2359,M2378 C2357,M2376 ,C2359,M2378 C2357,M2376	FASN
AHQLVMEGYNWC*HDR	1.243	C251 C251 C89 ,C251 C251	PPP2CA,PPP 2CB
LM+EPIYLVEIQC*PEQVVGGIYGLNR	1.243	M741,C751	EEF2
VSADAAPDC*PETSNTQPPGPGAAAGPGID	1.243	C610 C639 ,C610 C639	TRMT1
AQWMFELAPGVSSSNLENRPC*R	1.243	C68 C58 C24 C24 C24 C24	FBXO9
KLDTNSDGLDFSEFLNLIGGLAM+AC*HDS FLK	1.243	M89,C91	S100A11
LTALDYHNPAGFNC*K	1.243	C19	C14orf166
SLDTASVDLC*IKPK	1.242	C35 C103 C114 C103 C103 C103 C103 ,C35 C114 C103	TMLHE
HSVGTGYGDC*AVGAR	1.242	C270	AJUBA
SASLDNGGC*ALTTFSVLEGEK	1.242	C34 C27 C92 ,C34 C27 C92 C92	SOAT1
PSASC*DTLLDDIEDIVSQEDSKPQDR	1.242	C6 ,C6 C6	CDKAL1
GAVFEGC*GMTPNANPSQIYNIDPAR	1.242	C272 C274 C272	SARS2
VMQPQILEVNFNPDC*ER	1.242	C612	TTLL12
SAC*SLESNLEGLAGVLEADLPNYK	1.242	C44	NCBP1
YYLC*GFCPAELFTNTR	1.242	C89 C40 C40 ,C40 C40	LUC7L3
NMQITILTC*R	1.242	C169 ,C169 C148	PSMG1
C*HDGTIEFTSIDAHNGVAPSR	1.242	C220	VRK1
LC*LISTFLEDGIR	1.241	C32 C32 C32	SURF4

YDLLFMPPSFPPGGMENPCLTFVTPC*LLAGDR	1.241	C311 C311 ,C311	RNPEP
LLLHAVC*QYMDLISASADLEGKR	1.241	C226	R3HDM4
GFQFVSSSLPDIC*YR	1.241	C47 C54 C54 C47	CNBP
HEQNIDC*GGGYVK	1.241	C105	CALR
NGQYVACGSNC*GVVNIYNQDSCLQETNPKPIK	1.241	C55 C37 C446	UTP18
MSSYAFFVQTC*R	1.241	C23 C23 C23 C23 C23 C23 C23 C23 C23 ,C23 C23 C23 C23	HMGB1,HMGB2
FIQENIFGIC*PHMTEDNKDLIQGK	1.240	C244	PDIA3
SSDKFC*SPISELAQNHEFYK	1.240	C434 C445 C435 C447	FOXPA4
KTDIC*IPQTK	1.240	C511 ,C511 C306	CLGN
C*QDVSAGSLQELALLTGIISK	1.240	C1662 C1662 ,C244 C1662 C244 C1662 ,C1662	NUP205
TAVC*DIPPR	1.240	C336 C354 C354 C354 C354	TUBB4A,TUBB2A,TUBB2B,TUBB,TUBB4B
NFYGGNGIVGAQVPLGAGIALAC*K	1.240	C181 C219 C188 ,C181 C219	PDHA1
VC*TLAIIDPGDSDIIR	1.240	C92 C92	RPL30
C*GSSLEDLHDSVR	1.240	C631 C636	HDGFRP2
APPPSLTDC*IGTVDSR	1.240	C20 C20	CHMP5
TVYKGPNC*IEHNEALLEEAK	1.240	C53	RIPK1
VLPEGATC*DEEEDVQLR	1.239	C2540	KMT2B
VQPQWSPAGTQPC*R	1.239	C27 C40 C27 C40 C110 C110 ,C27 C40 C110	CARS
FC*NIM+GSSNGVDQEHFSNVVK	1.239	C150,M153 C11,M14	TMOD3
DLNYC*FSGM+SDHR	1.239	C267,M271 C267,M271 C267,M271 ,C267,M271 C267,M271 C267,M271 C267,M271 ,C267,M271 C267,M271 C267,M271 C267,M271 C267,M271 C267,M271	HNRNPH2,HNRNPH1
SC*TPSPDQISHR	1.238	C272 C272	ZC3HAV1
AVEVAC*YVCK	1.238	C379 C390	MAP2K4
IFPEVLAELISYGSC*QFPTLGFVVER	1.238	C244 C149 C219 ,C244 C149 C219 C244 C149 C219	TOP3A
KAENIASVEEAEDLSGTQFVC*ETVIR	1.238	C650 C650 C629	NBR1
HFADLLPGFLQAVNDSC*YQNDDSVLK	1.238	C229 C247 C231	IPO5
ANAAAMC*AK	1.238	C1751 C2070	SON
SQC*TPLFMNAYTMR	1.238	C59 C97 C50 ,C97	APIP
AC*DLPAAVHFPDTER	1.238	C181 C153 C181 C123 C181	ESYT2
YC*VRPNSGIIDPGSTVTVSVMLQPFDYDPN EK	1.238	C60 C60	VAPA
QSLYGAQQEASVVQYPDC*K	1.237	C114	HOXC8
LPCIFIC*ENNR	1.237	C222 C260	PDHA1
ANASIC*FAVPDPLM+PDPSKQPK	1.237	C106,M114 C81,M89 C95,M103	PRKRA
EEC*PVFTPPGGETLDQVK	1.237	C114 ,C55 C114	TIGAR
ELFESSLC*GDLLNEVQASEHTK	1.237	C173 C173 C173 C173 C110 C173	WHSC1L1

C*VNQWQLSGELK	1.237	C279	THOC6
ISIC*SSDKR	1.237	C408	HDAC1
ALIERPSQNNIGIQTM+EC*SLR	1.236	M1162,C1164 ,M1157,C1159 M1162,C1164	TP53BP1
VNPSRLPVVIGLLDVDC*SESVIK	1.236	C824 C828 C824 ,C824 C824	CLTC
FHFQGPCGTTLPEALAC*HENETVS	1.236	C303 C285 ,C285 C303 C195	SIRT5
WIGLPTNSAQEC*QNLEVER	1.236	C202 C202 C107	TFDP1
KAVVVC*PK	1.236	C607 C588 C607 C588 ,C607 C588	HNRNPU
MGSDLVSQLQDIC*IDSASSVR	1.236	C226 C81 ,C226 C81 C226 C81	CAAP1
SLVLMPESSAEIITVC*PETQLSSSETFDLE R	1.236	C445 C367	UIMC1
LDEC*EEAFQGTK	1.236	C103 C92 C31 C36 C92	PSME3
DHQPC*IIFMDEIDAIGGR	1.236	C228 C242 C228 C242 C228 C242 C228 C242 ,C228 C242 C228 C242 ,C228 C242	PSMC6
KGAQDPTAFSVQDPWFC*EAR	1.236	C172	KNOP1
ANASIC*FAVPDPLMPDPSKQPK	1.235	C106 C81 C95 ,C106 C81 C95 C106 C81 C95	PRKRA
LENYRQPSQAGLSC*DR	1.235	C40 ,C40 C40 C40	RAI1
GVLMYGPPGC*GK	1.235	C210 C179 C210 C179 ,C210 C179	PSMC4
TGC*TFPEKPDFH	1.235	C353 C318 C336 ,C353 C318 C336 C296	ADK
QPAIM+PGQSYGLEDGSC*SYKDFSES R	1.235	M327,C339 M401,C413 M460,C472 ,M460,C472 ,M401,C413 M460,C472 M77,C89	HNRNPL
DTGTVHLNELGNTQNF+LLC*PR	1.234	M123,C126 M123,C126	TSR1
SPVPLTPPGC*VALDTR	1.234	C173 C198	MPV17L2
IITSIQNNYGAGVYNSLIMC*NGR	1.234	C103 C103 C103 C103 ,C103	TAMM41
GFGFVYSC*VEEVDAAM+CAPHK	1.234	C63,M71 C85,M93	HNRNPA3
SC*GHQTSASSLK	1.234	C377	RRAGC
FPIC*NPTPYR	1.234	C393	NOA1
EQIDNLATELC*R	1.234	C66	SNAPIN
SFGGGC*HVTAAVSSR	1.233	C125 C125 C125	EIF4ENIF1
C*ASQAGMTAYGTR	1.233	C173 C132 ,C173 C127 C132 C173 C127 C132	CNN3
EVWLETPQADDFWC*EGEPYPGPK	1.233	C258	ADO
GNQLC*SLISGIIR	1.233	C287 C287	GLE1
TIC*AILENYQTEK	1.233	C438 C460 C438 C460 ,C438 C460	SARS
KLPTSASVGC*DIQNSVGSNIK	1.233	C202 C202	ZNF644
TC*HSFIINEK	1.233	C752 C742 C753	EIF3C,EIF3CL
VQGGVPAGSDEYEDEC*PHLIALSSLNR	1.233	C449 C449	RIOK2
VSDTVVEPYNATLSVHQLVENTDETYCIDNE ALYDIC*FR	1.233	C193 C141 C211 C211 C211 C211 ,C193 C211 C139 C141 C211 C211 C125 C211	TUBB4A,TUBB 6,TUBB2B,TU BB,TUBB4B
QVQSLTC*EVDALKGTNESLER	1.232	C328	VIM
AEPTESC*EQIAVQVNNGDAGR	1.232	C223 C248 C248 C248 C248 C248 C213 C223	SP100

LC*SLLDSEYNTCEGAFGALQK	1.232	C134 C142	TNPO1
ERNYSWMDIITIC*K	1.232	C70 C64	ADI1
AYHEQLSVAEITNAC*FEPANQMVK	1.232	C295 C295 C295 C295 C295 C295 C295 C295 ,C295 C295 C295 C295 , C179 C179 C295 C295 C280 C295 C280 C295 , C295 C295	TUBA3C,TUBA 4A,TUBA1B,T UBA1A
LKNGFPHPEDC*NPSEAASEESNSEIEQEI PVEQK	1.232	C93 C161	DDX21
DSANANDVETVQQLLEDGADPC*AADDKGR	1.232	C137	ANKRD54
LTTPTYGDLNHLVSATM+SGVTTC*LR	1.232	M215,C221 M215,C221 M215,C221 M233,C239 M233,C239 M233,C239 M233,C239 M233,C239 M233,C239 M233,C239 M233,C239 M233,C239 ,M215,C221 M233,C239 M233,C239 M233,C239 M233,C239 ,M215,C221 M215,C221 M233,C239 M233,C239 M161,C167 M161,C167 M233,C239 M233,C239 M233,C239 M233,C239	TUBB4A,TUBB 2A,TUBB2B,T UBB,TUBB4B
NINC*SIEESFQR	1.232	C141	HMGCL
NVGTGLVGAPAC*GDVMK	1.232	C69 C44 ,C69 C69 C69 C69 C44	ISCU
TYADYESVNECMEGVC*K	1.231	C33	ERH
FC*NIMGSSNGVDQEHFSNVVK	1.231	C150 C150 ,C150 C11	TMOD3
C*DPVPAANGAIR	1.231	C447 C447 C447 C184	TRIM33
TIWDGEETSYC*FK	1.231	C130	SIX1
LPPMC*VNPTPGGTISR	1.231	C30	DHX30
HEEFEEGC*K	1.230	C41 C41 C41 C245 ,C41 C245	GLOD4
ASTQTTHLTIPTNLIGC*IIGR	1.230	C293	PCBP1
HFPEAGIHYDSTTGDGKPLATDYNGNC*SL EK	1.230	C112 C112 C112 ,C112 C112 C112 C112	NDUFA10
KC*STPEEIK	1.230	C6 C23 ,C6 C23 C6 C23	DSTN
TSAAAC*AVTDLSDSDDFDEK	1.230	C359	UTP3
VRSEEAPAGC*GAEGGGPGSGPFADLAPG AVHMR	1.230	C16	RPP25
KLCLNIC*VGESGDR	1.230	C24 C25 ,C24 C25 C23	RPL11
C*DISLQFFLPFSLGK	1.230	C157	XRCC5
ASC*TTNCLAPLAK	1.229	C152 C224 C156	GAPDH,GAPD HS
LLTTSTEQHPNLC*EVPGVEEQSDPLFIGGP RPTMAK	1.229	C357 C270 ,C357	GSTCD
QC*M+MFSATLSK	1.229	C223,M224	DDX39A
QPAIMPGQSYGLEDGSC*SYKDFSES	1.228	C472 C472 ,C413 C472 C89 ,C472 ,C339 C413 C472 C339 C413 C472	HNRNPL
TYITDPVSAPC*APPLQPK	1.228	C342 C364	LPP

C*ASQVGMTAPGTR	1.228	C204 C204 ,C236 C204 C215 C236 C204 C215 ,C236 C204 C215	CNN2
FC*FTPHTEEGCLSER	1.228	C1118 C1118 ,C1118	FASN
KENQWC*EEK	1.228	C160 C160 ,C160 C160 C160 C160 ,C160	SKP1
LC*QENQWLRDELAGTQQR	1.228	C91 C113 C26 C131 C113	KLC4
LMSANASDLPLSIEC*FMNDVDVSGTMNR	1.228	C290 C290 C290 C290 C290 C290 ,C290 C290 C290 ,C290	HSPA4
C*AAVDVEPPSK	1.228	C670 C688 ,C670 C634 C688 ,C670 C634	SART3
VC*DSCYDSIKDEDR	1.228	C344	WDFY1
DFQDYM+EPEEGC*QGSPQR	1.228	M185,C191 M146,C152 M147,C153 ,M185,C191 M146,C152	DYNC1LI2
HSSSC*LPLPEFVDNTQVPSYCLNAR	1.228	C89 C89 C89 C89 ,C89 C89 C89 C89 C89 C89 C89 C89	TBC1D24
SGDAAIVDMVPGKPMC*VESFSDYPPLGR	1.227	C411	EEF1A1
IAVYSC*PFDGM+ITETK	1.227	C244,M249 ,C244,M249 C225,M230	CCT8
AENGLLMTPC*YTANFVAPEVLK	1.227	C579 C559 C564 C584 C575 C483 ,C559 C564 C584 C575 C483 C579	RPS6KA1,RP S6KA3
EKDINEFPLC*SLPEGVDQEVFK	1.227	C418 C442 C459 C521	POLI
AIAESLNSC*RPSDASATR	1.227	C121 C43	UIMC1
YC*GLCDSIITIYR	1.227	C160 C160 ,C160	MTCH2
MC*LDQYSMLPATPWGVWEIHK	1.226	C64 C166	MTHFD2
DLATVAFC*DAQSTQEIHEK	1.226	C60 C128 C600	CTBP2
QC*SSGLQAVASIAGGIR	1.226	C123	ACAA1
GLC*GAIHSSIAK	1.226	C103 C103	ATP5C1
KEEQVISLGPQVAEGENVFGVC*HIFASFND TFVHVTDLSGK	1.226	C31	RPS14
LLSNMMC*QYR	1.226	C156 C136 C136 C160 C160 ,C156 C160 C160	PSMB8,PSM8
ALNVEPDGTGLTC*SLAPNIISQL	1.226	C204 C152	PRDX5
SC*ETSSQDLGFSYPAENLIEYK	1.226	C57 C57 C10 C57	PHF10
ALRPGDPGFC*AR	1.226	C424 C749 C542	IWS1
IHEC*QWVVEDAPNPVLLSHKDDVK	1.226	C891	FAM129A
LPEEEAEC*YFHSRPK	1.226	C156 C138 C61 C76 ,C156	PNPO
SNVASSAAC*SSASSLGLGLAYR	1.225	C53 C54 C53 C54 ,C53 C54	INA
GC*ENLNIVQDK	1.225	C234	NUFIP2
C*SLLDPFAAVR	1.225	C173	DNAAF5
SQQEIC*EQLNINHMIQR	1.225	C79 C79	UBE4A
TDC*SPIQFESAWALTNIASGTSEQTK	1.225	C133 ,C133 C133 C133 ,C133 C133	KPNA2
NTC*EAVVLGTLHPR	1.225	C64 C102 ,C102	EXOSC5
TVDC*PFTVTFYGALFR	1.225	C109	MAP2K6
MGPC*WWESGTGDSHK	1.225	C1454	KIAA1671
C*QSLTEDLEFRK	1.225	C198 C198 C198	LMNB1
DNVGEEVDAEQLIQEAC*R	1.224	C45 C113 C78 C118 ,C45 C118	DNTTIP1
M+C*LFAGFQR	1.224	M593,C594 M574,C575	HNRNPU

KLTAGAC*AAQGLVTEVFPDSTFQK	1.224	C282 C312 C277	ECI2
LIHDGC*LLWK	1.224	C523 C478 C450 C477	ARHGEF2
SEDETEYGC*R	1.224	C193 C65 C65	COL4A3BP
EMFPYEASTPTGISASC*R	1.224	C363 C323 C254 ,C363 C323	TMPO
DAKEDDC*GQDPYIR	1.224	C14 C14 C14 C14	UROS
SC*YDLSCHAR	1.224	C466	GARS
LIDFLEC*GK	1.224	C234 C234	DDX5
FPEIVAPLLTSIDAISLEC*ER	1.224	C223 C275	MVK
EMFGSGTAC*VVCPVSDILYKGETIHPTMEN GPK	1.224	C335	BCAT1
GQNAC*SEIYIHGLGLAINR	1.223	C66 C66	POP7
EHGVGGVSQC*PEPGLR	1.223	C1373	TNKS1BP1
AAQLC*GAGMAAVVDK	1.223	C834 C833 C822 C838	HK1
SFYTAIAQAFLSNEKLPNLEC*IQNANK	1.223	C2314 C2308 C2314	UBR5
LQELESC*SGLGSTSDDTDVR	1.223	C741 ,C741 C741 C741 C741 C741	GAPVD1
C*ASQSGMTAYGTR	1.223	C196 C164 C175 ,C132 C196 C164 C175 ,C164	CNN2
LLQC*DPSSASQF	1.223	C185 C185	HPCA,HPCAL 1
AQVPGSSPGLLSLNLQQAPEK	1.223	C314 C314 ,C314	THOC6
IC*SHSAPEQQAR	1.223	C19 C19 ,C19	SURF6
EAGDVC*YADVQK	1.222	C138	SRSF9
FGNSEFDPPGPNVATTTVSDDVSMTFITSKE DLNC*QEEEDPMNK	1.222	C139 C139 ,C139 C139 C139 C139	EIF3G
EEQNLSDLLSPIC*EVANNIEQNAQENENES QVSTDESENSR	1.222	C146 C146 C146 C146 C146	SMN1
LTLPNGEPVPC*LLLANK	1.222	C96 C48 C120	RAB29
IHEGC*EEPATNALAK	1.222	C870 C874 C870 ,C870 C870	CLTC
SAVLQPGC*PSVGIPHSGYVNAQLEK	1.222	C22	VPS18
TQNLPC*QLISR	1.222	C331 C367 C374 C310 C263 C289 ,C367 C374 C310 C263 C289 ,C367 C374 C310	FDFT1
NENC*VEETFEDLLLK	1.221	C220 C220 C220 C220	ZFC3H1
C*QGITAPIEAQVR	1.221	C766	RBM5
YGC*EGPSHGGLPGASSEK	1.221	C57 C57 C57 C57 ,C57 C57	NFKB2
SHIM+PAEFSSC*PLNSDEEVNKWLHFYEMK	1.221	M160,C167 M219,C226 M200,C207 M200,C207 M108,C115 M108,C115 M160,C167 ,M219,C226 M200,C207	C11orf54
GENLEAVVC*EEPQVK	1.221	C236 C246 C187 C163 C151 C164	CD99L2
ADDTFEALC*IEPFSSPELDPDM+KPQDSG SSANEQAVQ	1.220	C89,M103 C111,M125 C84,M98	TCEB2
EC*EGIVPVPLAEK	1.220	C105	MRPS6
TSAAAC*AVTDLSDSDDFDEKAK	1.220	C359	UTP3
LNQWC*NVVR	1.220	C1148	EPRS
IKADPDGPEAQAEAC*SGER	1.220	C18 C18 C18 C18 ,C18 C18 C18	NHP2
YDGSTIVPGEQGAEQHFQQC*TDDVR	1.220	C52	COTL1
HGFC*GIPITDTR	1.219	C140	IMPDH2

ESESC*DC*LQGFQLTHSLGGGTGSGMGTL LISK	1.219	C127,C129	TUBB2B
AYHEQLSVAEITNAC*FEPANQM+VK	1.219	C295,M302 C295,M302 C295,M302 C295,M302 , C295,M302 C295,M302	TUBA3C,TUBA 4A,TUBA1B,T UBA1A
LIGTNC*IYIPVNSK	1.219	C182	UBE20
PM+C*IPPSYADLGK	1.219	M12,C13 M12,C13	VDAC2
WDHESVC*K	1.219	C35 C35	LUC7L3
HSM+NPFC*EIAVEEAVR	1.219	M129,C133 M38,C42	ETFB
CPEALFQPSFLGMESC*GIHETTFNSIMK	1.219	C272 C272 C272 C272 ,C272 C272	ACTG1,ACTB
APPSSGAPPASTAQAPC*GQAAYGQFGQG DVQNGPSSTVQMQR	1.219	C78	SEC24C
EHINLGC*DM+DFDIAGPSIR	1.219	C127,M129	VDAC1
ILTSWEENDRVQC*AGGPR	1.218	C455	PPP6R1
IIQFQATPC*PK	1.218	C298 C299 C300 C313 C278 C299 ,C298 C300 C224 C313 C278 C299 C238 ,C298 C299 C300 C224 C313 C278 C299 C238	RBPJ
SAGVQC*FGPTAEAAQLESSKR	1.218	C93	GART
TNTAVRPHYC*FIEFDNFIQR	1.218	C111 C111 C111 C111	SEC22A
LITLADHIC*QIITQDFAR	1.218	C687 C1953 C1960 C2056 C687 C1953 C1960 C2056 ,C687 C1953 C1960 C2056	NCOR1
NVLC*GNIPDLFAR	1.218	C191 C212 ,C191 C212 C191 C212 ,C212	TCEA1
EFCQQEVEPM+C*K	1.218	M211,C204 M212,C205	OTUB1
TC*LPGFPGAPCAIK	1.218	C1817 C1886 C1931 C1930	HCFC1
AAVEEGIVLGGGC*ALLR	1.218	C442 C442 C442 ,C442 C442 C442 C442 ,C442	HSPD1
QFC*QEQPHVLEALSPPQTSGLSPSR	1.218	C48 C48	MAF1
SFFTASEGC*SNPLGGGR	1.218	C188 C188	AGO2
RELHGQNPVVTPC*NK	1.217	C159 C159 C159 C159	CPSF6
AGALQC*SPSDAYTKK	1.217	C1939	TLN1
GPQLFHMDPSGTFVQC*DAR	1.217	C107 C165	PSMA5
C*NWILDGDLYHK	1.217	C104 C65	DYNC1LI2
SSSTGSSSSTGGGGQESQPSPLALLAATC* SR	1.217	C68 C61 ,C68 C61 C61	SP1
KPNVGC*QQDSEELLK	1.217	C347	UBA6
TYDPSGDSTLPTC*SKK	1.216	C439	NOP58
QQYLC*QPLLDVLANIR	1.216	C552 C507 C578 C618 ,C552 C578 C618	MED15
IINDNATYC*R	1.216	C211	NOP56
QC*MMFSATLSK	1.216	C223 C223 ,C223	DDX39A
SEEAPAGC*GAEGGGPGSGPFADLAPGAV HMR	1.216	C16	RPP25
ADHQPLTEASYVNLPTIALC*NTDSPLR	1.216	C148 C153 C148	RPSA
AAC*SAAAMEEDSEASSSR	1.216	C198 C175 C195 ,C198 C175 C195 C175	UBE3A
REDFC*PR	1.215	C380 C380	SMG9
APVTC*TPGQPGQQR	1.215	C206 C206	MTG2

KPGLEEAVESAC*AMR	1.215	C883	IARS2
QTISNAC*GTIGLIHAIANNKDK	1.215	C95 C29 C59 C95	UCHL3
DNVFPFHSLVFPC*SALGAEDNYTLVSHLIATE YLNVEDGKFSK	1.215	C566	MARS
CCLTYC*FNKPEDK	1.215	C149	RPS27A
LLAPDC*EIIQEVGKLYPLEIVFGMNGR	1.215	C215	EXOSC3
SVANVIQQAGC*PVPEYIK	1.214	C536	DDX52
IKEASPESEDEEEEALPC*TDWEN	1.214	C971 C983	JMY
LTPVAYGC*K	1.214	C430 C430 C395 C423 C396 C430 ,C430 C430	PFKFB2,PFKF B4
YATTGKC*ELENQPFVETLHGK	1.214	C100	PPAT
SSHAPATC*K	1.214	C500 C655	RNF214
SSESSC*GVDGDYEDAELNPR	1.214	C240 C240 C240 ,C240 C240	BCR
VHTVMTLEQQDMVC*YTAQTLVR	1.213	C273 C311 C273 C311 ,C273 C311	ILF2
SAASC*PPISLPAAASR	1.213	C41	GARS
NPYLNLASVLPVSC*LSSPASK	1.213	C595 C582	RAVER2
FQYC*VAVGAQTFFSVSAPSKK	1.213	C692 C649	ADAR
KYTELPHGAISEDQAVGPADIPC*DSTGQTS T	1.213	C41 C63 C162 ,C162	DCTPP1
SGQGAFGNM+C*R	1.213	M95,C96	RPL4
LIEESC*PQLANSVQIR	1.213	C86 C86	ANAPC5
GSC*STEVEKETQEK	1.213	C69	ATP6V1G1
LVIQSTGGGEEYLPVSHTC*FNLLDLPK	1.213	C947 C1017 C1025	HERC4
SKC*EELSLHGQLQEAR	1.213	C930 C933 C457 C500 C274 C933	RRBP1
VDVC*STETLK	1.213	C222 C196 C185	RPRD2
LALNC*VG GK	1.213	C136 C263 C187 ,C263 C187	MECR
HLC*GDTNYAWPTAEIAVM+GAK	1.213	C479,M494 C425,M440 C391,M406 C429,M444 C448,M463 C468,M483 C332,M347 C468,M483 C448,M463 ,C479,M494 C391,M406 C429,M444 C448,M463 C468,M483 C448,M463	PCCB
LFQEC*CPHSTDR	1.212	C184 C184 ,C184 C184 C184 C184	HNRNPK
ITLEC*LPQNVGFYKK	1.212	C157	GNPNAT1
LLPAITILGC*R	1.212	C389 C442	GMPPA
LDVNSNC*VNEEQPEAEVGISQK	1.212	C390	ANKMY2
LLDEYNVTPSPPGTVLTSALSPVIC*GPNR	1.212	C2085	NOTCH2
EHTINMEEC*R	1.212	C107 C107	IFI35
LAVEEFVHATSEGEAPGGC*EGR	1.211	C65	NOM1
SNSGSDLTVSQDEESLVPC*SQAPAK	1.211	C623	FAM208B
YVLC*PSTTPSPAQPADR	1.211	C860 C869 C601	AXL
AGLGEGVPPGNYGNYGYANSYSAC*EEE NER	1.211	C28 C28 C28 C28	BET1,DKFZp7 81C0425
GFNKETA AAC*VEK	1.211	C225 C220	TSN
LQEALDAEMLEDEAGGGGAGPGGAC*K	1.211	C57 C57	HNRNPUL2
SHIMPAEFSSC*PLNSDEEVNKWLHFYEMK	1.210	C226 C207	C11orf54
FAC*NGTVIEHPEYGEVIQLQGDQRK	1.210	C69 C69 ,C69 C69 C69	EIF1B,EIF1

VDASAC*GMER	1.210	C333 C275 C317	ASMTL
SSSC*GDETELLGQATLPVGSRSRPLSR	1.210	C359 C359	C2CD2L
YGVGTC*GPR	1.210	C133	SPTLC1
EMPQAPVLISC*ADQ	1.210	C938 C908 C888	BBX
LRQWNTLYLC*GTDEYGTATETK	1.210	C309	MARS
LATDLLSLMPSLTSGEVAHC*AK	1.210	C335 C28 ,C335	TBRG4
TIDAGC*KPYMAPER	1.210	C216	MAP2K6
HIQQVDC*SGNDLEQLHIK	1.210	C1694 C1711 C1608 C647 ,C1694 C1711 C1620 C647 C1608	NUP98
IEAAC*FATIK	1.209	C253 C331 ,C52 C13 C296 C253 C331	IDH3A
EIFTSLEYGVPVESHAC*ALAWLDTQDR	1.209	C28 C28 C28	ALDH16A1
ANPDPNCC*LGVFGLSLYTTER	1.209	C119 C19	TRA2B
NCDYQQEADNSC*IYVVK	1.209	C52 C52	POLR2I
DC*GGAAQLAGPAEADPLGR	1.209	C8 ,C8 C8 C8 C8 C8 C8	RNF114
IVLTNPVC*TEVGEK	1.209	C434 ,C434 C434	EIF2S3,EIF2S 3L
RPEFFTFGGNTAVLTPSPSASENC*SAYK	1.209	C978 C924	TRAPPC8
ELELSDNIISGGLEVLAEKC*PNLTYLNLSGN K	1.209	C37	ANP32E
EGC*TEVSLLR	1.209	C308 C308	HNRNPUL2
YAGLSTC*FR	1.209	C300 C300 ,C300 C300 C300 C300	SARS
GNEFEDYC*LK	1.209	C102	DDX6
C*FLSWFCDDILSPNTK	1.209	C70	APOBEC3C
GEEKDLAVVTQSAEAPAEEDLLGPNC*YYD K	1.208	C310 C230 C310	LSM14B
LFQECC*PHSTDR	1.208	C185 C185	HNRNPVK
VDLAGGPEQAGGPPPEPQQQC*QPGAS	1.208	C647 C670 C648 C670	GPSM1
VLTC*TDLEQGNFFLDFENAQPTESEKEIY NQVNVVLK	1.208	C10	FAM49B
AVAC*SGAAQVR	1.208	C578 ,C578 C578	SYMPK
AYHEQLTVAEITNAC*FEPANQM+VK	1.208	C295,M302 C365,M372 ,C295,M302 C365,M372 C295,M302 C365,M372 C295,M302 C365,M372 ,C295,M302 C295,M302 C295,M302 C295,M302	TUBA1C
TSQKGESPLTDC*YGPFSGQLIATMK	1.208	C902 C953	EFL1
TAEIIC*ESSSK	1.208	C241 C161 C249	GTPBP2
ISAFGYLEC*SAK	1.208	C159 C159 C159	RHOC
VAQATC*KL	1.208	C323	HMGCL
LEC*PETDCEKGWALLK	1.207	C137 C137	IFIT5
NC*VLLSRPEISTDER	1.207	C484 C854 C853	SEC24D

SVVEEFQC*LNR	1.207	C428 C417 C425 C415 C383 C426 C393 C42 C106 C427 C367 C393 C428 C424 C84 C440 C427 C430 C171 C417 C424 C391 C210 C440 C84 ,C106 ,C84 C440 C427 C430 C428 C417 C171 C417 C424 C425 C415 C383 C391 C426 C393 C210 C440 C106 C427 C84 C367 C393 C428 C424	CDK11A,CDK1 1B,CDC2L1
INPYM+SSPC*HIEMILTEK	1.207	M140,C144 M140,C144 M140,C144 M140,C144 M140,C144 M140,C144 M140,C144 M140,C144 M140,C144 M140,C144 M140,C144 M140,C144 ,M140,C144 M140,C144 M140,C144 M140,C144 M140,C144 M140,C144	RPL17
ETEHC*VSLSLAQLSATIFRK	1.207	C95 C95 ,C95 ,C95 C95 C95	IPO4
M+GITEYNNQC*R	1.207	M111,C120 M111,C120 ,M111,C120	IARS
IPC*DVTEAEIISLGLPFGK	1.207	C40 C74 C71 C37 C40 C68	PTBP3
SDLGPC*EK	1.207	C58 C58 ,C107 C58 C58	LUC7L3
TTPTGWTLDQC*IQTGVDNPGHPFIK	1.207	C120 C89	CKMT1A
KNSNVDSYLESLYQSC*PR	1.207	C645 C767	ZC3HAV1
DLC*FSPGLMEASHVVDVNEAVQLVFR	1.207	C392 C362	CECR5
SIHLAC*TAGIFDAYVPEGDAR	1.207	C80 C80 ,C80 C80 C80 C80	MRPL45
ICDEC*NYGSYQGR	1.207	C49	PHF5A
VAC*ITEQVLTLVNK	1.207	C477 C477 C477 ,C477 C477 ,C477	RPN1
M+LSC*AGADR	1.206	M102,C105 M102,C105 ,M102,C105	RPL10,RPL10 L
AASIENVLQDSSPEHC*GR	1.206	C528 C528 C506 C506 C567	MGRN1
SWMEGLTLQDYSEHC*K	1.206	C238	PSMD14
SQDVAVSPQQQC*SK	1.206	C137	EDC3
VPDDEEEEQTC*PSTFSEEMTPTSVIPK	1.206	C469 C495 C485	PHACTR4
TTTTPNMNPAINYQPQSSSVPC*QR	1.206	C308 C308 ,C308	GATAD2B
TTEEQVQASTPC*PR	1.205	C108	BOP1
KLLAPDC*EIIQEVGK	1.205	C215	EXOSC3
C*NNVLYIR	1.205	C66	SNRPF
TGNGPMSVC*GR	1.205	C499 C490 C493 C574 C491	STAU1
NC*PHVVVGTPGR	1.205	C164	DDX39A
SC*QFSVDEEFQK	1.205	C208	GTF2E2
KGADSLDFLYHEGYAC*TSIHGDR	1.205	C452 C468 C468 C468 C468	DDX3X
NFNYHILSPC*DLSNYTDLAMSTVK	1.205	C461 C498 ,C461 C498 C461 C498	CPSF3
CC*LTYCFNKPEDK	1.204	C145	RPS27A
GLVVLGFPC*NQFGHQENAK	1.204	C77 C78	GPX1
KVDC*PGPGSGAEGSGPGSVVPGSSGVT PR	1.204	C394 C1022	TAF4
RQVQSLTC*EVDALK	1.204	C328	VIM

STDRLPSAHTC*FNQLDLPAYESFEK	1.204	C4325 C4332 C4341	HUWE1
NPQNSAQTADGSHC*AVSDVEM+QEHYDEF FEEVFTEMEEK	1.204	C67,M74	U2AF1
KNEALMEC*K	1.204	C188 C276	PHF3
IC*PVEFNPNFVAR	1.204	C33 C33	TRMT112
ESSYAC*YYDEK	1.204	C219 C219 C219	LGMN
YMACC*LLYR	1.204	C316 C386 C316 C316 , C316 C386 C316 C386 C200 C200 C316 C316 C301 C316 C301 C316 C323 C283 C323 C283 ,C316 C316 C316 C316 C323 C283	TUBA1A,TUBA 1C,TUBAL3,T UBA4A,TUBA1 B
ISEQIVIGTPGTVLDWC*SK	1.204	C224 C142 C225 C193 C134	hCG_2043426 ,DDX19A
C*FIVGADNVGSK	1.204	C27 ,C27 C27 C27	RPLP0
AKENDENC*GPTTTVFVGNISEK	1.203	C83	RBM25
YC*SGTGWPSFSEAHGTSGSDESHTGILR	1.203	C105 C105 ,C105	MSRB2
ENSTLNC*ASFTAGIVEAVLTHSGFPAK	1.203	C139 C139	TRAPPC5
EAPSPTC*PDLGAK	1.203	C185	CBX4
SKLTFSC*LGGSDNFK	1.203	C40 C40 C40 C44 ,C40 C40 C44	PTGES3
VFIMDNC*EELIPEYLNfir	1.203	C374 C496	HSP90AA1
TC*NPPDAGPIVVHCSAGVGR	1.203	C1130 C1134 C1539 C1568 C1577 C1159 C1568 C1130 C1557	PTPRS
NSSVAMGASLSC*SEYSLK	1.203	C248	CUTC
HPNEIC*VPMSVEFEELLK	1.202	C103	SF3A3
GC*NIKGEDESWDFGTGAGFYVDATEDPWK	1.202	C88	ESD
EYTAC*ELMNIYK	1.202	C96 C195 ,C195	FARSB
GYWGLDASAQTTSHELTIPNDLIGC*IIGR	1.202	C301 ,C301 C301 C297 C297	PCBP2
EGC*TVSPETISLNVK	1.202	C393 C394 C376 C430 C412 C375	OPA1
RSGAELALDYLC*R	1.202	C107 C92 C107 C75	C7orf50
C*LLSDELSNIAMQVR	1.202	C71 C71	PDSS2
SHFPGC*LAQEMQQQAQELLQK	1.202	C1477	GEMIN5
LTVVDTPGYGDAINC*R	1.202	C121 C146 C111 ,C71 C146 C111	44441
VLTC*TDLEQGPNFLLDFENAQPTSEK	1.201	C10	FAM49B
AENGLLM+TPC*YTANFVAPEVLKR	1.201	M576,C579 M556,C559 M561,C564 M581,C584 M572,C575 M480,C483	RPS6KA1,RP S6KA3
QTIGNSC*GTIGLIHAVANNQDK	1.201	C90 C90 C90 C90 ,C90 C90 C90 C90 C90 C90 ,C90 C90	UCHL1
NTPSFLIAC*NKQDIAMAK	1.201	C179	SRPRB
LFFIQAC*R	1.201	C186 C271 C161 C219 C186 ,C186 C271 C161 C219	CASP7
EADQKEQFSQGSNSC*LETSLAEIFPLGK	1.201	C102 C161 ,C161	TIGAR
GC*ITIIGGGDTATCCA	1.201	C367	PGK1
VYQPVSC*PLSDLSENVESVNEEK	1.201	C506 C566 C374 C251 ,C566 C374 C251	SCAF11
KIWC*FGPDGTGPNILTDITK	1.200	C651	EEF2

GLQGVGPGC*TDELLSAIASALHTSTMPIT GQLSAAVEK	1.200	C140 C172 C116 C140 C172 C116	MBD3
FLSQIESDC*LALLQVR	1.200	C794 C766	HK2
NGSFGGQYSEC*RDPAR	1.200	C173	AKAP8
SLPSAVYC*IEDK	1.200	C674	SART1
TIQFVDWC*PTGFK	1.200	C347 C417 C347 C347 C371 C281 ,C347 C417 C347 C417 C347 C347 C347 C371 C281 C347 C371 C281 ,C347 C347 C347 C347 C347 C347 C347 C347 C347 C347 C371 C281 C347 C371 C281 C347 C371 C281	TUBA1C,TUBA 3C,TUBA8,TU BA1A
FC*ADCIITALR	1.200	C72 C72	RNF2
VVNEINIEDLC*LTK	1.200	C92	CISD2
FNQSQLEAEENEQITIADNHYC*SSGQGG R	1.199	C676 C698	TBC1D5
GLTDLSAC*K	1.199	C142	NOP56
C*QALGVITEK	1.199	C150 ,C150 C150 C150 C150 C147	ERAL1
MKVELC*SFSGYK	1.199	C6 C6 C6 C6 C6 C6 ,C6 C6 C6	RPL24
TVEEEEAIIGSC*SDVDSSLYLGESR	1.199	C726 C414	DNAJC16
FLVPDMMDDIC*QEQLFELSYLNGVPEPSR	1.199	C239 C264 ,C264 C264 C264	KHDRBS1
ELANSPDC*PQMCAK	1.199	C189 C187 C187 C187	PITPNB
LLPCLHSACSAC*LGPAAPAAAANSSGDGGA AGDGTVWDCPVCK	1.199	C91	TRIM28
LDC*SQGYTEENTIFAPR	1.199	C125	PBDC1
NLSGQPNFPC*R	1.199	C428	TM9SF3
TWYVQATC*ATQGTGLYEGLDWLSNELSKR	1.199	C159	ARF4
SVLC*STPTINIPASPFMQK	1.199	C22 C22 ,C22 C22 C22	PBK
SPAAEC*LSEKETEELMAWMR	1.198	C520 C520 ,C573 C520 C573 C520 ,C573 C520 ,C573 C520 C573 C520 C573 C520	TRAP1
CTDWWC*QPMAQLEALWK	1.198	C397	FTO
TSAPITC*ELLNK	1.198	C1999	DYNC1H1
INDALSC*EYECR	1.198	C216 ,C216 C216	FAM98B
ETTEAAC*R	1.198	C164 C176 C232 C176 ,C133 C164 C232 C176	GSTK1
KTYITDPVSAPC*APPLQPK	1.198	C342 C364	LPP
ENFDEVVNDADIILVEFYAPWC*GHCK	1.198	C206 ,C206 C206 C206	PDIA4
AAC*NGPYDGKWSK	1.197	C45 C249 ,C45 C45 C45 C249	GLOD4
PGHLQEGFGC*VVTNR	1.197	C11 C11 C11 C11	SERBP1
ADPDGPEAQAEAC*SGER	1.197	C18 C18 C18 C18 ,C18 C18 C18	NHP2
KC*TSGGYYR	1.197	C147	APIP
ELGAFGLQVPSELGGVGLC*NTQYAR	1.197	C156 C134 C179 ,C156 C134 C156 C179 C102	ACADV L
NSC*AADDKATEPLPK	1.197	C18 C50 C50 C50 ,C18 C50 C50	GATM
LVC*GMVSYLNDLPSQR	1.197	C449 C411 C449	ACOX1

ALCLDLLSLSAAC*DALDQHNLK	1.197	C62 C62 C62 C62 ,C62 C670 C62 C670 C826 C62 C3130 C3129 C3130 C3125 C3126 C3122 ,C62 C1789 C3129 C3130 C62 C670 C670 C3126 C401 C3122 C670 C62 C3130 C3125 C62 C1786 C826	DMD
AELAPVNTREGALLDNGSVVPC*DISNGGS QK	1.196	C633 ,C633 C395	ZCCHC8
NPQVASTWNEVNSHSNAQC*VSNR	1.196	C568 C568 ,C568 C568 C568	PCM1
GHIISDGGCSC*PGDVAK	1.196	C191 C225 C209 C224 C242 C242 C224	GMPR2
C*VGLSAPQLGVPR	1.196	C108	PDF
ENFPLC*GR	1.196	C23 C23 C23 ,C23 C23	MTG1
IYKEIEC*SIAGAHEK	1.196	C38 C90 C38 ,C90	THOC7,NIF3L 1BP1
VVHC*QPLDLK	1.196	C161 C138	SPRY4
C*TPSVISFGSK	1.195	C34 C34 ,C34 C34 C34 C34 C34 C34	HSPH1
GVLGYGPPGC*GK	1.195	C137 ,C137 C137	ATAD1
DRSDC*LGEHLYVMVNAK	1.195	C73 C73 C73 C73	CLNS1A
VAVSADPNVNVVVTGLTLVC*SSAPGPLEL DLTGDLESFKK	1.195	C79 C79 C79 C79 C79	ARHGDIA
DCC*VEPGTELSPTLPHQL	1.195	C355	CAMK1
GHSTC*LSEGALSPDGTVLATASHDGYVK	1.195	C299	EDC4
AVDGEGAPAPESSGEPAEDEGPTDTAEAG SDPQAEQLLEEQVPC*GTAHEK	1.195	C631	AKAP8
LCC*PATAPQEAPAEGR	1.195	C148 C115	ZNF428
IENLELM+SQHGC*NAWK	1.195	M127,C132	BCAS2
TTWGDGGENSPC*NVVSK	1.195	C69 C112 C112 C63 C63 ,C69 C112 C63 C63	SNAP23
GC*VNFEGADR	1.195	C36	IRF2BP1
AILTDQPMIC*TPR	1.195	C288	RDH10
TATC*HSSSPPIDAASAEPYGFR	1.195	C1814	MAP1B
C*TPACISFGPK	1.194	C34 C34 C34 C34 ,C34 C34 C34 ,C34	HSPA4
EGGVIVDYHGC*DFPER	1.194	C81 C78 C50 C81	AK6
DKEPEVFIGDSLVLQMHQC*EIWR	1.194	C55 ,C55 C55 C55	PAFAH1B3
IGSGPC*EGDYGGPLVCEQHK	1.194	C664 C669 ,C664 C669 C664 C669	HGF
NADC*SSGPGQR	1.194	C101	NTPCR
C*IPQLDPFTTFQAWQLATK	1.194	C286	ZNF217
AC*FYNLDKFR	1.194	C385	RBM17
FKEALQDPFTLC*LANVPGQPDRLR	1.194	C427	KHNYN
LC*NLEEGSPGSGTYTR	1.194	C26 C15 C15 C15 C15 C6 ,C15 C15 ,C15 C15 C15 C15 C6	EXOSC1
GLM+AIDC*PHTGIVDYR	1.194	M183,C187 M183,C187 M183,C187	L2HGDH
TSGSEDDNAEQAELEPGWVVLDPDAAC* HLQQQQEPSPLPPGWEER	1.193	C192 C601 C182	NEDD4
LC*DVQPFLPVLR	1.193	C90 C90 C90 ,C90 C90 C90 C90	PIK3CD
C*QHAAEIITDLLR	1.193	C331 C332 C332	FUBP1

VC*SELDNNR	1.193	C586 C272 C452	EPS15
LQSGIC*HLFR	1.193	C203	DARS
EQC*CYNCGKPGHLAR	1.193	C90 C97 ,C90 C97 C98 C91	CNBP
NC*SSPEFSK	1.193	C53 C53 C53 C53 C53 C53 C53 C53 C53 C53 C53 C53 C58 C53 C53 C53 C53 C53	CPNE1
VVVC*GQASVGK	1.193	C10 C10 C10	NKIRAS2
TASLELGEDDDEQEDDDIEYFC*QAVGEAPS EDLFPEAK	1.193	C338 C391 C391 C391 C391 C391 ,C391 C391 C391 C391 C391 C391 C391 C391 ,C338 C391 C391 C391 C391	PPAN
WAEPLLQQC*QVVR	1.193	C30	RNH1
SC*PSFSASSEGTR	1.193	C9 C9 C9 ,C9 C9	DCK
KLGVENC*YFPMFVSQSALEK	1.193	C1076	EPRS
SVNSREPSQVIFC*NR	1.193	C77 C24 ,C77 C77 C24	VHL
AGNC*LSPAVIVGLLK	1.192	C369	PHGDH
GNEFEDYC*LKR	1.192	C102	DDX6
VHTIVISVQHDEEVC*LDEMR	1.192	C214 C214 C214 ,C214	MAT2A
STASEC*PSLLSTTAEDSLGGDVVDEQGGQ EDLEEK	1.192	C47 C111 C213	IFRD2
DLEEDHAC*IPIKK	1.192	C567	EEF2
FVIHCNSPVWGADKC*EELLEK	1.192	C283 C286 C285 C114 ,C283 C286 C285	H2AFY
SYLSSSAPSSSPAGLDGSQQGAVPGLGPK PGC*TDLGTGPK	1.192	C374 C374	LIMD1
FTTSDSC*DR	1.192	C79 C26 C26 C93	AES
EFLESQEDYDPC*WSLQEK	1.191	C96 C43 C96 C22 ,C96 C96 C43 C22 C96 C96 C22 C22 C96 C96	ARFGAP1
VLRHEEFEEGC*K	1.191	C41 C245	GLOD4
AQDIQC*GLQSR	1.191	C45	NUDCD2
LALEDSENTASTNC*DSSSEGLEKDTATQR	1.190	C195	C5orf22
NAEFLTC*NIPTSNASNNM+VTTEK	1.190	C387,M398 C392,M403 C392,M403 ,C435,M446 C392,M403	ADAR
ETC*STLAESPR	1.190	C838	EDC4
KSEAGHASSPDSEVTSLC*QK	1.190	C607	ZCCHC8
LTAC*QVATAFNLSR	1.189	C441 C383 C425	ASMTL
VVM+ALGDYMGASCHAC*IGGTNVR	1.189	M121,C134 ,M121,C134 M121,C134	EIF4A1
SNPSVFLCQCSC*YVAEDQQYQWLEK	1.189	C139 C139 ,C139	PSMG1
SALIPQHSAGC*DSTPTTKPQWSLELAR	1.189	C1093 C269 ,C1093	TAF2
FQMTQEIVVDEC*PNVK	1.189	C196	DNAJB11
GQFHEFQESTIGAAFLTQTVK*LDDTTVK	1.189	C63 C63 C63 ,C63	RAB5A
DSGAC*FSASEPDAVHVLLDR	1.189	C179 C143	PDDC1
YIIDQC*PAVAGYGPIEQLPDYNR	1.189	C453 ,C453 C453	UQCRC1

C*YASDQEVLDLDM+HGFLR	1.189	C338,M348 C338,M348 C338,M348 C338,M348 C338,M348 C338,M348 C338,M348 C338,M348 C338,M348 C338,M348 C338,M348 C338,M348 C338,M348	PML
TPC*NAGTFSQPEK	1.188	C129 C129 ,C129 C129 C129	BUB3
LLLC*GGAPLSATTQR	1.188	C450	ACSL3
VLVTTNVC*AR	1.188	C392 C310 C393 C361 C302 C392 C310 C393 C361 C302 ,C392 C310 C393 C361 C302	hCG_2043426 ,DDX19A
FQSSAVMALQEASEAYLVGLFEDTNLC*AIH AK	1.188	C111 ,C111 C111	HIST2H3A
QC*PIM+DPAWEAPEGVPIIDAIIFGGR	1.188	C431,M434	PCK2
SIQPYQIPITGPAAVTSQSPVPC*K	1.188	C285 C285 C333	C18orf8
C*SSLQAPIMLLSGHEGEVYCCK	1.188	C52 C52 ,C52	SNRNP40
ALIVDESC*R	1.187	C611 C74 C163 C360 C611	PPP1R18
LGGSLIVAFEGC*PV	1.187	C146 C163 ,C146 C163 C146 C163 ,C146 C163 C146 C163 C146 C163 C146 C163 C146 C163 ,C146 C163 C146 C163 C146 C163	DSTN
QALC*PGSTR	1.187	C351 C306 C278 C305	ARHGEF2
FFACAPNYSYAALCEC*LR	1.186	C513 ,C484 C513	NUDCD1
VLEFNC*R	1.186	C291	GART
DVIELTDDSFDKNVLDSEVVMVEFYAPWC* GHCK	1.186	C242	PDIA6
HELQANC*YEEVKDR	1.186	C122 C139 C177 ,C122 C139 C177 C122 C139 C177	CFL1
AYHEQLSVAEITNAC*FEPANQMVKCD	1.186	C295 C295 C295 C295 , C179 C295 C280 C295	TUBA3C,TUBA 4A,TUBA1B,T UBA1A
DC*LPAAGSSHLQQPR	1.186	C105	ITPKA
IFQILYANECEC*RK	1.186	C1206	ROCK1
YTELPHGAISEDQAVGPADIPC*DSTGQTST	1.186	C41 C63 C162 ,C162	DCTPP1
C*GEEIAVQFVDMVK	1.186	C295 C295 ,C295	PHGDH
IDATQVEVNPFGGETPEGQVVC*FDAK	1.186	C255 C255 C255	SUCLG2
C*ESAFLSK	1.185	C36 C36 C36	RPL24
APAM+C*SSPRVPR	1.185	M336,C337 ,M336,C337 M336,C337	PLPPR2
SGDAAIVDM+VPGKPMC*VESFSDYPPLGR	1.185	M404,C411 M404,C411 ,M404,C411 M404,C411 M404,C411 ,M404,C411	EEF1A1
EC*PSDEC*GAGVFMASHFDR	1.185	C121,C126	RPS27A
YRDVAEC*GPQQELDLNSPR	1.185	C108 C108	MCMBP
QLC*EDWEVPEPVAR	1.185	C45 C45 ,C45 C45 C45	DCK
EGVPGADMLPQPYL DASC*PMLPTALVSL R	1.184	C504	IRF2BPL
GLC*AIAQAESLR	1.184	C97 C97 ,C97 C97 C97	RPS3
IWHPNITETGEIC*L SLLR	1.184	C92	UBE2F
VAAASGHC*GAFSGDSSR	1.184	C919 C947	FAM120A

YNFGGHGDC*GPIISAPAQDDPILLSFIR	1.184	C33 C43	MED13L
IDILINCAAGNFLC*PAGALSFNFAK	1.184	C53 C129 C120 C72 C108 ,C120 C120 C120	DECR2
GITNLC*VIGGDGSLTGADTFR	1.184	C114 C114 C185 ,C114 C185	PFKM
AGAGYILEDNFNEAQC*NTAYQCLLIADQHCR	1.184	C1796 C1801 ,C1796 C1801 C1796 C1801 ,C1801 C1801 C1801	TP53BP1
QTRPVQSWLC*DPDAMEQGETPLTMLQSQ VPNIVK	1.183	C413	CAND1
DLLVENVPYC*DAPTQKQ	1.183	C46 C97 ,C97	LYRM7
AKVDEFPLC*GHM+VSDEYEQLSSEALEAA R	1.183	C49,M52 ,C49,M52 C49,M52	RPL10
NC*IAQTSAVVK	1.183	C74 C60 C71	CCDC58
ICNEILTSPC*SPEIR	1.183	C843	NCAPG
AAC*LPPGDHNALYVNSFLLDPSDAPFPSL DSPGK	1.183	C328 C328 C219 C83 ,C328 C328 C219 C83 C328 C328 C219 C83	TANK
GITPC*KPIDIK	1.183	C66	GNPAT
QITSYGETC*PGLEQYAIKK	1.183	C430	CCT8
THHPLGAGAGSGC*APLEADSGASGALAMF FQGGETENEENLSSEK	1.183	C359 C359	SEC16A
TVFAEHISDEC*KR	1.183	C114	RPL3
VTYTEFC*QGR	1.183	C276	METTL16
KIC*ANDAIPK	1.182	C201 C162	TMA16
SLAPPDASILISNVC*SIGDHVAQELFQGS DLGM+AEEAERPGEK	1.182	C274,M292 C204,M222	SENP3
ALQSLAC*GKPTQR	1.182	C612 C636	CUL3
KGVC*DQSFGIHVAELANFPK	1.182	C756 C822 C822 ,C756 C822	MSH2
TLGNVTYMSQVLIQC*AGSEEK	1.182	C312 C469 C312 C312 C490 C397 C440 C234 C312	ARHGEF7
IPQDSIAEIYNQC*EEQGMESPLPAEDD NAIR	1.182	C698 C727	NUP107
TMDAGC*KPYMAPER	1.182	C232 C198 C227	MAP2K3
KDDYEYC*MSEYLR	1.182	C40 ,C40 C40	RABGGTB
EC*ELYVQK	1.182	C18 C18 ,C18 C18 C18 C18 C18 C18 C18 C18 C18 C18 C18 C18	PRKAR1A
IWSVPNASC*VQVVR	1.182	C298	PRPF19
KVVGCS*VVVK	1.182	C108	RPS12
DNAAVDGISLHLQDICPLLYSTDDAIC*SK	1.182	C874 C815	NUP155
LALFNPDVC*WDR	1.182	C44 ,C44 C44	NDUFA4
NLDSGHC*VPEPSSSGQR	1.182	C1808 C1820 C1197 C1821 ,C1808 C1820	PRRC2A
AWSTGDC*DNGGDEWEQEIR	1.181	C54 C54 ,C54 C54 C54 ,C54	CPPED1
GC*TGIVITLNRPK	1.181	C99 C45 C45 ,C45 C45	HIBCH
VTVAGLAGKDPVQC*SR	1.181	C46	PARK7
VLISDSLDP*CRK	1.181	C18	PHGDH
MLQPC*GPPADKPEEN	1.181	C76	SF3B5
LGTDKC*DNSSMSLQM+GYTQGANQSGQV FGLGR	1.181	C229,M238 ,C261,M270 C229,M238 C240,M249	CNN2
NVQLLSQFVSPFTGC*IYGR	1.181	C90 ,C90 C90	MRPS18C
GELDELGDKC*DSNVSSSK	1.180	C123	ALX1

YQE AAPNVANNTGPHAASC*FGAK	1.180	C564 C295 C517 C564 C618 C618 C517 C618 C295 C564 C618 C295 C517 C517 C517 C295 C295 C564 C618 C517 C295 C618 C517 C564 C564 C618 C517 C295 C564 C564 C618 C618 C295	CTNND1
VM+C*IEHEIK	1.180	M154,C155 M156,C157 M154,C155 ,M154,C155	STAT1
ISLGLPVGAVINC*ADNTGAK	1.180	C28 C32 C28 ,C28 C28 C32 C28 ,C28	RPL23
VAHVEVAPFYTC*K	1.180	C188 C188	XPR1
YHEQLSVAEITNAC*FEPANQMVK	1.180	C295 C295 C295 C295	TUBA3C,TUBA 4A,TUBA1B,T UBA1A
C*KHFELGGDK	1.180	C88 C88 C88 C88 C124	RPL36AL,RPL 36A
AAGTDSFNHPPQGC*ASTPVAR	1.180	C517 C553 C553 C517 C553 C553	POLR3E
NC*FFEIIKPFDK	1.180	C431 C417	SUGP2
EASSAC*DLPR	1.180	C239	ADO
YRVLSSC*PQAGEATLLAPSTEAGGGLTCA SAPQGTLR	1.180	C88 C86	CD3EAP
LGLHQGGSEPSYLDRTQLQAVLC*STMEK	1.180	C381 C384 C346	WDR18
TDPYSC*SLC*PFSPTDPGWPAFMR	1.180	C496,C499 C399,C402 C399,C402	FLAD1
DILKEMFPYEASTPTGISASC*R	1.179	C363 C323 C254 ,C363 C323	TMPO
HKIPESQFPEFSTSLFSGSLEPVAC*GSVLS EGSPLTEQEESSPSHDR	1.179	C467 C478	SRPK2
DTGTVHLNELGNTQNFMLLC*PR	1.179	C126 C126	TSR1
ELEVLLMC*NK	1.179	C91 C91 C109 C91 C91 C109 ,C91 C91 C109	RPL32
GLAPLHWADDDGNPTEQYPLNPNPSPGGV AGICSC*DGR	1.179	C1287	PFAS
DYEFMWNPHLGYILTC*PSNLGTGLR	1.179	C283	CKB
GFGFVTYSC*VEEVDAAAMCARPHK	1.179	C63 C85	HNRNPA3
QC*DLAGVETCK	1.179	C195 C273 C250	LCMT1
HYAHTDC*PGHADYVK	1.179	C127	TUFM
VGEEFEEQTV DGRPC*K	1.179	C82	CRABP2
VC*NQIEFLNTEFK	1.178	C39	IFIT3
VQTLLEEELGKEEC*FQNK	1.178	C522 C354 C470	UTP14A
GNHEC*ASINR	1.178	C98 C126 ,C127 C138 C126 ,C126 C127 C138	PPP1CA,PPP 1CB
IC*GDIHQYTDLLR	1.178	C61	PPP1CB
ASTVNYC*GLNEISEETTIQK	1.178	C355 C355 ,C355	CEP44
SC*AEWVLSK	1.178	C101 ,C101 C77	ATP5H
ISHVVVEDTVVSDKC*FPLEDTLLGK	1.178	C218 C176 C133	WAPL
IQHNGNC*QLNEENLSTK	1.178	C610	SREK1
GHSSDSNPAIC*R	1.178	C31 ,C31 C31 C31	RRP12
LPHELC*TLIR	1.178	C466	PMPCA
AEFYFQPWAQEA VC*R	1.178	C451 C492 C290 C92 ,C492 C290 C92	SMARCD1

GYAASC*R	1.178	C68 C39 C68 C39 C68 C68 C68	MAFF,MAFG,M AFK
VEEEDDAEHVLLALTMLCLTEGAKDEC*NVVE VVAR	1.178	C79 C79 ,C79 ,C79 C79 C79 C79	NPM3
SGDEEFKGEDEL*DSGR	1.178	C351	AKAP8
HIPGAFFDIDQC*SDR	1.178	C85	MPST
LVM+EYLAIC*DECYITEMEMLLNEK	1.178	M516,C522	GARS
AQLSGLQLQPC*LYK	1.178	C451	RRP8
AFEWYGTYLELC*GVLHK	1.177	C39 C39	METTL13
SAC*MLSSPESSLTPPLSTNLHLESELDALA SLENHVK	1.177	C805 C805 C805 C566	TRIM33
QFC*STQAALQAMER	1.177	C961 C961 C961	NUMA1
GLGC*QTLGPHNPTPPPSLDM+FAEELAE ELETPTPTQR	1.177	C234,M250	CD2BP2
RGPC*IIYNEDNGIIK	1.177	C208 ,C208 C208	RPL4
IIPTEEGLQLPSPTATSQLPLESDAVEC*LN YQHVK	1.177	C132 C132	HNRNPK
VQEAPIDEHWIIEC*NDGVFQR	1.177	C91	GAMT
TC*EVDALKGTNESLER	1.177	C328	VIM
KAC*ADATLSQITNNIDPVGR	1.177	C25 ,C25 C25	GNB1
YMAC*CLLYR	1.177	C315 C385 C315 C385 C199 C199 C315 C315 C300 C315 C300 C315 C322 C282 C322 C282 ,C315 C385 C315 C315 ,C315 C315 C315 C315 C322 C282	TUBA1A,TUBA 1C,TUBAL3,T UBA4A,TUBA1 B
MFEDSQDSC*R	1.177	C71 C96 C96 C96 C96 C96 C61 C71	SP100
GIGMNEPLVDC*EGYPR	1.177	C59 C59 C59 C59 C59 C59	PSMD9
KLDSLGLCSVSC*ALEFIPNSK	1.177	C256	TACO1
SKDYDVYSDNDIC*SQESEDNFAK	1.177	C82 C82	ZC3H8
DLPTSPVDLVINCLDC*PENVFLR	1.177	C413 C413 ,C413	EDC3
GTEAGQVGEPIPTGEAGPSC*SSASDKLP R	1.176	C241	PPM1G
KHGLEVIYMIPIDEYC*VQQLK	1.176	C529 C651	HSP90AA1
TFDLYANVRPC*VSIEGYK	1.176	C49 C127	IDH3A
GEPGLEQPFWISSVAALLNTDLVATGSHSS C*VR	1.176	C399	RRP9
C*LAQEVNIPDWIVDLR	1.176	C140 C140	LAS1L
SC*TDESELLHPELLSQEFLLLTLEQK	1.176	C10 C10 C10 C10 C10 C10 C10 C10 ,C48 C10 C10	C2orf49
VICAEEPYIC*K	1.176	C456 ,C456 C357	GMPS
LRENC*VLSSSPNPFPEISR	1.176	C182	ZNF8
TC*ETGEPMEAESGDTSSGPAQVYLPGR	1.176	C11	GRWD1
VAHHGENPVSC*PELVQQLR	1.175	C135 C135	MED1
CHFDYNPYNDNLIPC*K	1.175	C236 C236	MPP6
VVMALGDYMGASC*HACIGGTNVR	1.175	C131	EIF4A1
LYYFQYPC*YQEGLR	1.175	C130	APOBEC3C
IIC*QGFTGK	1.175	C60	SUCLG1
HGEVC*PAGWKPGSETIIPDPAGK	1.175	C245	PRDX4

VC*PPHM+LPEDGANLSSAR	1.175	C209,M213 C41,M45 C158,M162 C108,M112 C29,M33	MFF
EGDRVDVMQQC*DDGWVFGVSR	1.175	C645 C157 C303	SORBS3
LITEENEEHNFFLAPGTCVVDTGITNSQTLI PDC*QKK	1.175	C285 C203	NBN
SRGC*AVVEFK	1.175	C114 C114	HNRNPM
TLSLSGNQLGALPPQLC*SLR	1.175	C128 C128	LRRC57
TKEYTAC*ELMNIYK	1.174	C96 C195 ,C195	FARSB
QYVETHWC*AQSEK	1.174	C90	IPO9
KGVSTLC*EEHVEPETTLPAR	1.174	C78	KNOP1
GC*VNYEGADR	1.174	C40 C40 C38	IRF2BPL,IRF2 BP2
NFEATLGWLQEHAC*SR	1.174	C573 ,C573 C519 C573 C519	LARS
LHDAIVEVVC*LLR	1.174	C470 C483 C483 C483 C470 C470 C470 C470 C470 C483 C483 C483 C470 C470 C470 C470 ,C470 C483 C483 C483 C470 C470 C470 C470	DNM1L
FREFLESQEDYDPC*WSLQEK	1.174	C96 C43 C96 C22 ,C96 C43 C96 C22 C96 C43 C96 C22 ,C96 C96 C43 C22 C96 C96 C22 C22 C96 C96	ARFGAP1
AWDLWDPETLPAEYC*LPSAR	1.174	C516 C484	FUK
LC*DQKFPK	1.174	C432 C432 C432 C432 ,C379 C432 C432 C432 C432	PPAN
TTSLC*AGPSASKNEYEK	1.174	C730 C676	SLC4A1AP
EQHGVAASC*LEDLR	1.174	C38 C38	DFFA
TFVGTPC*WMAPEVM+EQVR	1.174	C237,M244 C218,M225 C191,M198 C191,M198	STK39,OXSR1
PREPFDLGEPEQSNNGFPC*TTAPK	1.174	C277	SH3GL1
LDTKYPYVC*HAELNAIMNK	1.174	C94 C83 C83	DCTD
EC*LQHPGGATPVCVYTR	1.174	C50 C50 C50 C124 C108 C127 C127 C127 ,C127 C127	ASPSCR1
TPQC*EPQAPEMLQR	1.173	C432 C432	NFKB2
WASGLTPAQNC*PR	1.173	C115 C115 C115 C115 C115 C115 ,C115 C115 C115 C115 C115 C115 C115 C115 C58	TAPBP
GC*PPVFNTLR	1.173	C322	NAA15
DSLYVDGDC*TMDIR	1.173	C84 C84 ,C35 C84 C84 C84 C84 C35 ,C84 C84 C35	PFN2
SLHDALC*VLAQTVK	1.173	C395 ,C395 C395	CCT2
C*WIFSLNVMR	1.172	C73 C73 ,C73	BLMH
MSDSADKPIDNDAEGVWSPDIEQSFQEALAI YPPC*GR	1.172	C53 C53 C38 C53 ,C53 C53 C38 C53 C144	TEAD1
LEDVALQILLAC*PVSK	1.172	C361	LRPPRC
C*M+PTFQFFK	1.172	C73,M74	TXN
ENPDLAC*LQSIIFDEERSPEEQAK	1.172	C63	TTC4
KEPILVC*PPLR	1.172	C52 C52	MRPL50
ITSAVWGPLGEC*IIAGHESGELNQYSAK	1.172	C160	EIF3I

YSTGSDSASFHTTTPSM+C*LNPDLGPPLE AYTIQQQYAIQPDLTK	1.171	M216,C217 M216,C217 ,M212,C213 ,M212,C213 M216,C217 M216,C217 M212,C213	PCBP2
EGALC*EENMR	1.171	C693	EEF2
MWHPNIYENDVC*ISILHPPVDDPQSGELP SER	1.171	C93	UBE2R2
LWSPAAPENSPTC*SPESSSGGQGGDPSD EEWR	1.171	C87 ,C87 C87 C87 C87	MON1B
TPSQLSDNNC*RQ	1.171	C334	VPS26B
ISPFHQTYC*QR	1.171	C65 C82 C82 C82 C82 ,C65 C82 C82 C82 C82 C53 C82	MAPK1,MAPK 3
IC*HQIEYYFGDFNLPR	1.171	C18	SSB
C*LNNVIESPGLNVMR	1.171	C543 C543 C543	EPB41L5
DLC*FSPGLMEASHVVDVNEAVQLVFRK	1.171	C392 C362 C392 C362	CECR5
AGSDGESIGNC*PFSQR	1.171	C35	CLIC4
TAPSSSC*TAVASAASRPDSTHMVEAR	1.170	C976 C976	DIDO1
EVQTVC*AGLTR	1.170	C234 C282 C165	RSBN1
AQLC*NPGR	1.170	C164 C111	OPA3
SC*SGVEFSTSGHAYTDTGK	1.170	C36 C36 ,C36	VDAC3
EKLC*YVALDFEQEM+ATAASSSSLEK	1.170	C217,M227 C917,M927 ,C217,M227 C217,M227 C917,M927 C917,M927	ACTB,POTEE
NM+MAAC*DPR	1.170	M281,C285 M299,C303 M299,C303 M299,C303 M299,C303 M646,C650 M299,C303 M299,C303 ,M281,C285 M299,C303 M299,C303 M299,C303 M299,C303 M646,C650 M299,C303 M299,C303 M299,C303 ,M281,C285 M299,C303 M299,C303 M299,C303 M299,C303 M299,C303 M646,C650 M299,C303 ,M281,C285 M299,C303 M227,C231 M299,C303 M299,C303 M299,C303 M646,C650 M299,C303	TUBB4A,TUBB 2A,TUBB6,TU BB2B,TUBB,T UBB8,TUBB3, TUBB4B
C*STPELGLDEQSVQPWER	1.170	C956 C1019 C1020 C956 C1020 C351 C956 C1020	KANSL1
DKFNEC*GHVLYADIK	1.170	C676 C637 C676 ,C676 C637	HNRNPM
FSHQGVQLIDFSPC*ER	1.170	C384 C384 ,C384 C384 C384 C384	EIF3B
RNQSFC*PTVNLDK	1.170	C70 C70	RPL27A
VTEPSAPC*QALVSIQDLQATFHGIR	1.170	C795 C795 ,C795	PPP6R1
ILDATPAC*LP	1.170	C269	NUBP2
ENDENC*GPTTTVFVGNISEK	1.170	C83	RBM25
GAAVC*AYVR	1.170	C89	ALG2
AQQAC*IEAK	1.170	C199 ,C199 C180 C127 C66 C105	STUB1
LGTDESC*FNMILATR	1.170	C363 C341	ANXA7

NNQESDC*VSK	1.170	C297	PGP
NNMNC*EAR	1.169	C182 C182	C17orf75
PQPEAWPGASC*AETPAR	1.169	C17	OTULIN
VGVGTC*GIADKPMQYQDTSK	1.169	C214	SMNDC1
SEKPPAGSIC*R	1.169	C274	RRP1
VTFSC*AAGFGQR	1.169	C1245 C1113 C1252 C1230 C1227 C1210 C1118 ,C1245 C1113 C165 C1252 C1230 C1227 C1210 C1118	DCTN1
C*HYEALGVR	1.169	C3 C3 C3	DNAJC21
LC*HNALDVQSLGALGFVYK	1.169	C381 C429	IFIT5
APPGGC*EER	1.169	C117	EXOSC6
YNNC*WLAR	1.169	C92	PCK2
AGHVC*TVQFLISK	1.169	C644 C529 C531 C644 C644 ,C644 C529 C531 C644	ANKRD17
DYPLELFMAQC*YGNISDLGK	1.168	C145 C212 C149 C178 C156 C178	BCKDHA
ALVDHENVISC*PHLGASTK	1.168	C281	PHGDH
FC*IWTESAFR	1.168	C250 C250 ,C250	RPL4
TAGEDC*RSDEPPDELGPPLAER	1.168	C44	GRPEL2
KC*DLISIPK	1.168	C473 C426 C315 C420 ,C473 C426 C420	CORO1C
LTHNCLNFDFIGTSTDESSDLC*TVQIPTSW R	1.168	C244 C245	XPO7
LC*DFGSATTISHYPDYSWSAQR	1.168	C84 C190 C111 ,C190 C111	GAK
SKNLEDDTLSEC*K	1.168	C652 C652 ,C652	ZNF638
MPWAMIWDFTEPVC*R	1.167	C37 C37	IRF2BP2
VTETLWFNLDRPC*VEETELQQEQQHAW LQSIAEK	1.167	C24 C24 C24 C24 C24 C24 C24	ANAPC15
IGC*LLSGGLDSSLVAATLLK	1.167	C234 C255	ASNS
SCYDLSC*HAR	1.167	C471 ,C471 C471	GARS
ARDC*LIPM+GITSENVAER	1.167	C177,M181 ,C50,M54 C136,M140 C177,M181	ACAA1
QC*PIMDPAWEAPEGVPIDAIIFGGR	1.166	C431 C431 ,C431	PCK2
GFEVVMTEPIDEYC*VQQLK	1.166	C521 ,C521 C521	HSP90AB1
DVPLADPGLDNDVGVEVGGSGGC*LEER	1.166	C62	MID1IP1
HLC*GDTNYAWPTAEIAVMGAK	1.166	C479 C391 C429 C448 C468 C448 C479 C391 C429 C448 C468 C448 ,C479 C425 C391 C429 C448 C468 C332 C468 C448	PCCB
QIHEGASLPFFFEVVDAPLHVC*EQR	1.166	C165	PAPSS1
NIFC*TIMTSEDFLDAFEK	1.166	C661 C661 ,C661	NOM1
KINNNC*IFNVNEPATTK	1.166	C650	GNPAT
LC*DSYEIRPGK	1.166	C226 C226	HNRNPR
C*VEVETDVSNTSGSAR	1.166	C34	EXOSC7
C*FVSFPLNTGDLDCETCTITR	1.166	C85 C15	TMEM126A
SC*LFEQGTR	1.165	C969 C969 C969 C969 C969 C969 ,C969 ,C969 C969 C969	LUZP1
LGQPAAEQLHAGPATEEPGPC*LSQQLHSA SAEDTPVVQLAAETPTAESK	1.165	C126 C459 ,C459	TACC3

EGIC*ALGGTSELSSEGTQHSYSEEEKYAFV NWINK	1.165	C104 C104 ,C104 C104 C104 ,C104	PLS3
TLLGSHGQELLIEGTSLVC*MK	1.165	C1843	LRBA
FIC*EQDHQNFLR	1.165	C617 C658 C614 ,C658 C614	HSPH1
FC*DNSSAIQ GK	1.165	C270	PFAS
MHSV GIC*GSDVHYWEYGR	1.165	C24 C45	SORD
GHPLPENQGNAQAPC*WGR	1.165	C557 C557 C300 ,C557 C557	TNRC6B
GTSVVLIC*PQDGMEAI PNPFIQ QDA	1.165	C31 C85	LSM7
KPTDGASSNC*VTDISHLVR	1.165	C369 C710 C708 ,C644 C710 C708	NASP
TEDSGLAAGPPEAAGENFAPC*SVAPGK	1.165	C132	FLYWCH2
AIVDC*GFEHPSEVQHECIPQAILGMDVLCQ AK	1.165	C62 C62 C63 C63 ,C62 C63 C63 C63	DDX39B,DDX3 9A
YGEVEEMNVC*DNLGDHLVGNVYVK	1.165	C102 ,C102 C102 C102	U2AF1L5,U2A F1
QLSSSVTGLTNIIEENC*QR	1.165	C494 C494 ,C494	IQGAP1
EPFDLGEPEQSNGGFPC*TTAPK	1.164	C277	SH3GL1
M+GMGAVFFNKGENC*IAAGR	1.164	M715,C728	ALDH1L2
FILLAC*DGLFK	1.164	C325 ,C207 C142 C325	ILKAP,ILKAP3
TYDPGSDSTLPTC*SK	1.164	C439	NOP58
VDEFPLC*GHM+VSDEYEQLSSEALEAAR	1.164	C49,M52 C49,M52 C49,M52 C49,M52 ,C49,M52 ,C49,M52 C49,M52	RPL10
AGQIDPEPVMPPQQVEQMEIPPVELPPEEP PNIC*QLIPELELLPEKEK	1.164	C513 C58	RAD21
NCAVSC*AGEK	1.164	C141 C141	TBCE
ISTSTGISPQMEVTC*VPTPTSTVSSIGNTNG EEVGPSVYLER	1.164	C1918 C1851 C1911	CKAP5
AGLC*PDEDDMEGDSFFDDPIPKPEK	1.164	C224 C197 C244	FGFR1OP
C*TAKPSSSGK	1.164	C17 C17 C17	PPP2R5D
AAEC*NIVVTQPR	1.163	C438	DHX9
NC*EEVGLFNELASSFEHEFKK	1.163	C61 C61 C61 C61 C61 C61 C61 C61	ATF7
AVAVDLFPQTPHC*EMLILFER	1.163	C580 C598	TRMT2A
SPISDN SGC*DAPGNSNP SLSVPSSAESEK	1.163	C346 C154 C31 ,C286 C346 C154 C31	SCAF11
ETIGSAQC*K	1.163	C171 C171 C171 C171 ,C171 C171	PCM1
SAFLC*GVMK	1.163	C96 C96 C96 C96 C99 C99 ,C96 C96 C99 C99 ,C96 C96 C96 C96 C99 C99 C99 C99	HNRNPR,SYN CRIP
AQLVEIVGC*HFR	1.163	C184	SAP30
KSAGC*GGGGGAGGGGGSSSGGGSPQSY EELQTQR	1.162	C81 C14	TWIST1
QLFALSC*TAEEQGLPDDL S G VIR	1.162	C96 C112 C96 C75 C112 C60	GNAI2
C*MPTFQFFK	1.162	C73	TXN
AETGKCPALYWLSGLTC*TEQNFISK	1.162	C56 ,C56 C56	ESD
VELHSTC*QTISVDR	1.162	C740 C736	SUPT5H
GALLL GPPGC*GK	1.162	C353 C353	SPG7
VQTD AFVSNE LDDPDDLQC*K	1.162	C465 C486 C462 C485 C464	EIF2B4
SLVQNNCLSRPNIFLC*PEIEPK	1.162	C145 C145 C145 C145	SMARCC2

QEAEQPC*TSTLPR	1.161	C187	LIN28B
ILAC*DDLDEAAR	1.161	C408 C430 ,C408 C47 C430	SUCLA2
AYHMvc*LDPDMEKAPEGK	1.161	C396 C389 C393 C396	CHD4
LSC*QNLGAVLDDVPVQGFFKK	1.161	C361	PDCD11
ISDTGSAGLMLVEFFAPWC*GHCK	1.161	C57	PDIA3
YSLTEPGMSPQSPC*ER	1.161	C1475 C608 C66 C608 C1468 C34 ,C1475 C608 C66 C1468	ANK3
C*GGIVGIQTK	1.161	C103 C5 C180 C16	DFNA5
IVEDDASISSC*NK	1.161	C245 C203 C160	WAPL
GLAYVC*HQR	1.161	C347 C358 ,C358	QARS
IC*VNGDDAHLWK	1.161	C107 C107 ,C107 C107 C133 C170 C134 C94 C134 C107 C107 C107 C133 C170 C134 C94 C134 C107	GPX4
AVC*MLSNTTAAIEAWAR	1.161	C376 C376 C376 C376 C376 C376 C376 C376 C376 C376 C376 C376 C376 C400 C310 C376 C400 C310 C376 C400 C310 ,C376 C376 C376 C400 C310 , C376 C376 C376 C400 C310 , C260 C260 C260 C376 C376 C376 C361 C376 C361 C376 C361 C376 C376 C400 C310 C376 C400 C310 C376 C400 C310	TUBA8,TUBA1 A,TUBA3C,TU BA4A,TUBA1B
AITTQNC*NTK	1.161	C70 C70 C70 C70 C70 C70 C70 ,C70 C70 C70	SMAD2
LSC*QPMLSLDDFQLQPPVTFR	1.161	C105	NPM3
AILFSQPLQITDTQQGC*IAPVELR	1.160	C716	NHLRC2
LMVNLTPALLC*FGNLPK	1.160	C96 C96	TIMELESS
FQSAAGALQEASEAYLVGLFEDTNLC*AIHAK	1.160	C111 C111 C111 C111 C111 C111 ,C111 C111	H3F3A,H3F3B
ASGDYDNDCTNPITPLCTQPDQVIK	1.160	C342 C333 C260	WDR48
EGIC*ALGGTSELSSSEGTQHSYSEEEK	1.160	C104	PLS3
GAVTSEALKDPDVC*TDPVQLTTYAMGVNIYK	1.160	C62	MRPL54
GKHDELADSLPC*AEGEFIFLR	1.160	C296 C220	XRN2
FSTQGMGTFNADYSDSTSTDVC*GTK	1.160	C208 C85 ,C208	UBAP2
LNPVAVTC*AGK	1.160	C878	NEK9
FVVDVDKNIDINDVTPNC*R	1.160	C112 C104	PSMC5
DVPFSLC*QSVGVGQNTDIQQIAAK	1.160	C318 C189 C169 C169 C203 C169	TGIF1
EC*TNILEGDESLSLTDYDIVGGK	1.160	C2518 C2192 C2518	DST
GC*GVGQMDWTQDLAPQNVELFGAPSEAR	1.160	C1337	TNKS1BP1
PSETPQAEVGPTGC*PHR	1.160	C15 C15 C15 C15 C15 C15 ,C15 C15 C15	CBS,CBSL
VC*DEPHLLVK	1.160	C111 C255 C152 C221 ,C255 C221 ,C221	RFC2
LFHEDGEC*WVYDEPLLKR	1.159	C730 C707 C703 C610 C720 ,C730 C707 C703 C610 C720 C542 C555	OSBPL9

DVIELTDDSFDKNVLDSEDVWM+VEFYAPW C*GHCK	1.159	M182,C190 M230,C238 M234,C242 M187,C195 M179,C187 ,M234,C242 M234,C242 M234,C242	PDIA6
TFINLMTHIC*K	1.159	C85 C45 C85	ATP6V1H
LECVEPNC*R	1.159	C77 C77 C77 C77 C113	RPL36AL,RPL 36A
ISMFC*HVEPEQVICVHDVSSIYR	1.159	C234	CTPS1
SKGFGFVC*FSSPEEATK	1.159	C314 C339 C339 C339 C339 C339	PABPC4,PAB PC1L,PABPC1
LSPLEAC*AHSFFDELRL	1.159	C398 C316	GSK3A
APC*AGPSREEELA AVR	1.159	C58 C58 C58 C58	MMTAG2
EMSC*IAEDVIIVTSSLTK	1.159	C97	COPG1
GMPETTQPKQC*GQVAAAAAQPASHG PER	1.159	C93 C151	BAG3
DGFYEAELC*PDR	1.158	C105 C105 C92 C105 C105 C105 C116 ,C105 C105 C92 C105 C105 C96 C74 C116 C74 C105 C105 C105 C105 C74 C105	RELA
MVAAVAC*AQVPK	1.158	C431 ,C431 C393	MCCC2
TRPESIC*SVTPSTHDK	1.158	C231 C473 C365 C479 C473 C365 C473 C473 C473 ,C231 C473 C365 C479 C473 C365 C473 C473	PLEKHA5
YSNVIFLEVVDVDDC*QDVASECEVK	1.158	C62 ,C62 C62 C62	TXN
C*CSGAIIVLTK	1.158	C423 ,C423 C423	PKM
M+PAC*NIMLLGAQR	1.158	M244,C247 M244,C247 M244,C247 M244,C247 M244,C247 M164,C167 M244,C247 M244,C247	PRPF31
VLLSIC*SLLC*DPNPDDPLVPEIAR	1.158	C78,C82 C108,C112 C78,C82 C107,C111 C107,C111 C107,C111 C78,C82 C107,C111 C109,C113 C101,C105 ,C107,C111	UBE2D2,UBE2 D3
LIQVLIGDEPERGMENLLEVQVPEDVEQQL QLDC*R	1.158	C368	HGH1
VETCGC*AEGYAR	1.158	C221 C173 C194 C96 ,C221 C173 C194	DSCR3
EICCYSISC*K	1.158	C164 C164 ,C164	ARL8A,ARL8B
YQVAIHQDPPDEC*GKTEFTR	1.158	C303 C310 ,C303 C214 C310	ATE1
SWC*QEELSVAVKR	1.158	C939	GCN1
TDFQQGC*AK	1.158	C170 ,C170 C170	ETHE1
TMHLLLEVEVIEGTLQC*PESGR	1.157	C100 C95 C56 ,C100 ,C100 C95	TRMT112
C*DSQFYSVQVADSTFTVLK	1.157	C6 C6 C6 C6 C6 C6 C6 C6 C6 C6 C6 C6 C6 ,C6 C6 C6 C6 C6	MAPK9
ASAQQENSSTC*IGSAIK	1.157	C178	CDKN2AIP
VVLLGLLNEDDAC*HASFLR	1.157	C3623 C3574 C3623 C3574	RNF213
DC*DLQEDACYNCGR	1.157	C60 C67	CNBP

VTDGALVVVDCVSGVC*VQTETVLR	1.157	C136 C136 C136 ,C136 C136 C136 C136 ,C136	EEF2
GSAFAIGSDGLC*CQSR	1.157	C110 ,C29 C29 C110	DDX1
VNFC*PLPSEQC*YQAPGGPEDR	1.156	C47,C54	TRIP6
LHTGPLPEQC*R	1.156	C163 C163 C163	MED19
KVAEPELMGTPDGTG*YPPPPVPR	1.156	C1889 C1826 C1889 C1826 ,C1889 C1826	CAD
LWYVGGSC*LDHR	1.156	C45 C45 C45	TBC1D4
WC*NSGSQEEGYSQYQR	1.156	C38	THOC7
DIPFSAIYFPC*YAHVK	1.156	C504 C503	SLC25A13
EQSIC*AAEEQPAEDGQGETNK	1.156	C490	SEC63
KGPVPAATNGC*TG DANGHLQEPPM+PTT	1.155	C541,M555 ,C413,M427 C487,M501 C541,M555	ISYNA1
DSYC*SYMGHFDLLNYFAIAENESK	1.155	C41 ,C41 C41 C41	SF3B5
CC*SGAIIVLTK	1.155	C424	PKM
VTINDLNENSVTLIQENC*HLNK	1.155	C320	TRMT1L
YGIIC*M+EDLIHEIYTVGK	1.155	C186,M187 C146,M147	RPL7
YQAEINDLENLGE MGS GTC*GQVWK	1.155	C174 C131 C147 C131	MAP2K7
TEENKIQHNGNC*QLNEENLSTK	1.155	C610	SREK1
LTDC*VVMRDPASK	1.155	C50 C38 ,C50	HNRNPA2B1
VPGKPMC*VESFSDYPPLGR	1.155	C411	EEF1A1
AAREEC*PVFTPPGGETLDQVK	1.155	C114 ,C55 C114	TIGAR
C*YDFDVHTMK	1.154	C543 C492 C450 C399 C544	CDC16
SC*FPSLFQAEQTHR	1.154	C183	PPOX
PAC*LAALQAHADDPER	1.154	C254	DOHH
LVEALC*AAGHR	1.154	C31 ,C31 C31	DTYMK
SC*IAESPLWYSVIPMDR	1.154	C1314 C1328 C1236 C1326	ZMYM3
HSTFGC*R	1.154	C1225	SYNM
AEIPC*EDEQEHEHNGPLDNK	1.153	C439 C626 C455 C471 C626	SRPK1
IC*EPGYSPTYKQDK	1.153	C211	CTSB
TC*QVLEALNVLVNRPNIR	1.153	C102 ,C109 C102	UBE2L6
LNILQEGHAQC*LEAVR	1.153	C146 C230 ,C110 C146 C230 C91 C97 C214	ANKRD54
LLC*GLLAER	1.153	C81 C81 ,C81	MIF
AITIAGVPQSVTEC*VK	1.153	C158	PCBP1
ELFASALSNDLLQNC*QVSEEDGRGEPAME SSQIVSR	1.152	C187 C187 ,C187 C187 C187 C187	PCM1
AC*LVHNELLEK	1.152	C149 C149 C149 ,C149 C149	FAM208A
AKPPADPAAAASPC*R	1.152	C127 C127	EGLN1
MLVEPAC*GAALAAIYSGLLR	1.152	C276 ,C276 C172	SDSL
SC*VEEPEPEPEAAEGDGDKK	1.152	C101 C108 C124	HDGF
LGMGFGNC*R	1.151	C312 C268	ARFGAP3
EVFGSGTAC*QVCPVHR	1.151	C342 C334 C302 C342 ,C250 C342 C334 C302 C250 C342	BCAT2
NTVLC*NVVEQFLQADLAR	1.151	C70	TRIM25
SSPSIIC*MPK	1.151	C90 C175 C175 C175 C175 C175 C155 C175 C166 C137	CNOT2
KIIPTLEEGQLPSP TATS QLPLESDAVEC*L NYQH YK	1.151	C132 C132	HNRNPK
VLSSC*PQAGEATLLAPSTEAGGGLTC*ASA PQGT LR	1.151	C88,C109 C86,C107	CD3EAP

ALANVNIGSLIC*NVGAGGPAPAAGAAPAG GPAPSTAAAPAEK	1.151	C61 ,C36 C61 ,C36 C36 C36 C61 C61 C61 ,C61 C61	RPLP1
ETAAAC*VEK	1.151	C225 C220	TSN
SLLC*GEDEAADENPESQEMLEEQVR	1.151	C941 ,C941 C941	XPO5
IEGC*IIGFDEYM+NLVLDDAEIHSK	1.151	C46,M54 C46,M54 C46,M54 C46,M54 ,C46,M54 C46,M54 ,C46,M54	SNRPE
FC*GTSFFTVGDDK	1.150	C120 C272 C120	DCAF13
MTGESEC*LNPSTQSR	1.150	C1181 C1212	SLK
DIDFLKEEEHDC*FLEEIMTK	1.150	C173 C173 C173 ,C173	IMPDH2
DC*DPGEVVK	1.150	C133 C133 C133	MRPL39
NPGVWLNTTQPLC*K	1.150	C183 C215 C159 ,C215	MBD3
IQSETNQC*SLISNGPSLELGENGASGK	1.150	C1170 C1319 C1319 ,C1170 C1319 C1319 C929 ,C1319 C1319	ARID2
SEEFSDLPC*PVVEIK	1.150	C285	BOD1L1
AGC*AVTSLLAELTK	1.150	C1227 C1218 C1227 C1183 C1218 C1203	DIAPH1
LLGGFQETC*SK	1.150	C251 C239	GNL3
GFGFVTYSCVEEVDAAAM+C*AR	1.149	M71,C63 M93,C85 M71,C63 M93,C85 ,M71,C63 M93,C85	HNRNPA3
VIEINPYLLGTMAGGAADC*SFWER	1.149	C111	PSMB5
AVIPMSC*ITNGSGANR	1.149	C82 C82 C82	EML4
LINGGIAGLIGVTC*VFPIDLAK	1.149	C25 ,C25 C25	SLC25A22
SPLDPDSSLSC*TLPNGFGGQSGPEGER	1.149	C243 C173	SEN3
VGLNAQAAC*APR	1.149	C157 ,C157 C157	NES
C*LPEIQGIFDRDPDPTLLYLQK	1.148	C126 C126 C116	NRBF2
GDVASC*NTQVAEKPVLTAVPGITR	1.148	C588 C588	ZC3H11A
CVICDSYVRPC*TLVR	1.148	C40	PHF5A
IFVGNVSAAC*TSQELR	1.148	C90 C90 C90 ,C90	RBM14
TQSPGGC*SAEAVLAR	1.148	C80 C80 C80 C102 C80	HEXIM2
KNVIC*EESK	1.148	C20 C20 C20 C20 C20 C20 C20 C20	ZCCHC11
YYGAEVVDIEILLC*QR	1.148	C98 C119 C119	SHMT2
QNSDFLC*QM+DLLQEFYETTLEALKDAK	1.147	C130,M132	COPS2
SPISQLDC*LNR	1.147	C455 C523 C528 C534 C538 C109 C525 C528 C528 C516 C472 C530 C520 C518 ,C525 C528 C528 C516 C523 C528 C530 C534 C520 C518 C538	TLE3
EGTDSSQGIPQLVSNISAC*QVIAEAVR	1.147	C29 ,C29 C29	CCT7
SNC*KPSTFAYPAPLEVPK	1.147	C806 C806	PSMD1
C*TGGEVGATSALAPK	1.147	C17	RPL12
HC*IMQANAHEYHQSILAK	1.147	C255 C250	PDCD6IP
IVNLAC*K	1.147	C226	AGPS
FVLVFNDC*DETFDFQAMGR	1.147	C1932 C1932 C1932 ,C1932	DYNC1H1
IC*GDIHQYYDLLR	1.147	C62 C73	PPP1CA
EVIAVSCGPAQC*QETIR	1.147	C162 C71	ETFB
LILADALC*YAHTFNPK	1.147	C345 C376	LAP3
VYVADNC*GLYAQAEMSNK	1.146	C290	RNMTL1

SHSSDFPC*SDTFSNFTFWR	1.146	C869 C905 C863 C948 C889 C899	LPIN1
LDFIESDSPC*SSEALSK	1.146	C1447 C1600 C1131 C1411 C1417	EIF4G3
C*HEDNVVAVDSTTNR	1.146	C196 C196	EIF2B5
C*EGSQPWNLTPR	1.146	C294 C298 C294	PHKG2
RAEFYFQPWAQEAVC*R	1.146	C451 C492 C290 C92 ,C492 C290 C92	SMARCD1
AAFLQYC*R	1.146	C530	NUP133
HSMNPFC*EIAVEEAVR	1.146	C133 C42	ETFB
KGC*VITISGR	1.145	C258 C288 C278 C246 C237 ,C278	ACOT7
AIVFSGC*GR	1.145	C70	RPP25
VETEEDAALDC*SVNSR	1.145	C32	BEND3
VGPMPWLGPQTDESIKGLC*ER	1.145	C323 C329	FECH
IIQHC*SNYSTQELLR	1.145	C446 C459 C459 C459 C446 C446 C446 C446	DNM1L
C*IPYAVLLEALALR	1.145	C110 C110 C110 C110 C110	COP57A
DC*NGDTPNLSFYR	1.145	C87 C87 C35 ,C87 C87	OGFR
HGINC*FINR	1.145	C289 C289 ,C289	CCT2
ELEKDLCELTGYDQVC*FQPNSGAQGEYAG LATIR	1.144	C612	GLDC
YGAVDPLLALLAVPDM+SSLAC*GYLR	1.144	M218,C223 M218,C223	KPNA2
C*SSLQAPIM+LLSGHEGEVYCK	1.144	C52,M60	SNRNP40
HLASQYWGC*SR	1.144	C839 ,C15 C839 C839	TBC1D9B
YC*VSWMVSSGMPDFLEK	1.144	C302	STARD7
C*YASDQEVLDMHGFLR	1.144	C338 C338 C338 C338 C338 C338 C338 C338 C338 C338 C338 C338 C338	PML
AHLLAEVIENLEC*DPR	1.144	C307	DCPS
YC*GHLYGLGSGSSYVQNGTGNAYEEEEAN KQS	1.144	C256	CNOT7
KHPNEIC*VPMSVEFEELK	1.144	C103	SF3A3
LCQDLPC*FSR	1.144	C299	HAT1
VVMALGDYMGASCHAC*IGGTNVR	1.144	C134 C134 ,C134	EIF4A1
INPYMSSPC*HIEMILTEK	1.144	C144 C144 C144 C144 C144 C144 C144 C144 C144 C144 C144 C144 ,C144 C144 C144 C106 C144 C134 C106 C144 C144 ,C144 C144 C144 C144 C144 C144	RPL17
VCNALALLQC*VASHPETR	1.144	C99 C99	RQCD1
KAEEATEAQEVVEATPEGAC*TEPR	1.143	C189 ,C189 C189	SURF6
TCLPAPC*PSSSNISLWNILR	1.143	C453 C484 C484 C489 C489 C520 C520 C453	OSBPL3
NC*IIVPNGDNVFAAVK	1.143	C152	C4orf27
SISTPTC*LGGSPAERPADLPPAAALPQPE VILLDSLDEPIDLR	1.143	C438	CBX4
DRIPGPVC*K	1.143	C52	BRX1
C*SLQAAAILDANDAHQTETSSSQVK	1.143	C494 C487 C525 ,C487 C525 ,C494 C487 C525 C186	SRP68

GC*LLYGPPGTGK	1.143	C170 C184 C170 C184 ,C170 C184	PSMC6
NLHSPEYLEMALPLFC*K	1.143	C310 C287 C307 ,C310 C287 C307 C287	UBE3A
FQSSAVM+ALQEASEAYLVGLFEDTNLC*AI HAK	1.143	M91,C111 ,M91,C111 M91,C111	HIST2H3A
QVLVAPGNAGTAC*SEK	1.143	C41	GART
LTALDYHNPAGFNC*KDETEFR	1.143	C19 C19	C14orf166
GPQDPSAC*R	1.143	C260 C232 C232	PUS1
VFDPSC*GLPYWNAADTLVSWLSPHDPNS VVTK	1.143	C60 C60 ,C60 C60 C60 C60 C60 C49 C60 C60	PQBP1
YSSAFC*NK	1.143	C123 C123 C123 C77 C123 C123 ,C123	TUSC3
AIC*IDPAYS	1.143	C153 C153 C153 C153 ,C153 C153 ,C153	SGTA
GYDDLQTIPTC*QQQDFSIGSQK	1.143	C105 C129 C159 C75	MLX
LC*TQLEGLQSTVTGHVER	1.143	C976 C976 ,C976	EDC4
NWYIQATC*ATSGDGLYEGLDWLSNQLR	1.142	C159 ,C159 C159 C159 C159	ARF1
LFTEVEGTC*TKG	1.142	C38 C38 C38 C34 ,C38	POLR2G
TEEQEFC*DLNDSK	1.142	C187	DTWD1
ERWWSGNSWGGISLGPPDPGPC*GETYED FDTR	1.142	C211 C211 ,C211	MRPS5
GC*CFVTFYTR	1.142	C88 C88	CELF1
FQPPFFTLDVEC*GGGFYIR	1.141	C249 C249 ,C249	TRUB1
HPDFADAC*GLMNNNIEEQRR	1.141	C505 C518 C518 C518 C505 C505 C505 C505	DNM1L
NNC*PFSADENYRPLAK	1.141	C957 C957	PCM1
VAYQDPSSGC*TSK	1.141	C473 C577 C639	RIN1
AFLDNPGILSELG*GTLR	1.141	C204 C297 C272	ARMC6
VFIWTC*DDASSNTWSPK	1.141	C248 C291 C231 C245	SEC13
LC*YVALDFEQEMATAASSSSLEK	1.141	C217 C217 C917 ,C217 C217 C217 C217 C917 C917 C917 C917 C917 C917 ,C217 C217 C917 C917 C917 ,C217 C217 C217 C217 C217 C917 C917	ACTG1,ACTB, POTE
NVC*EQGTSTVDQNFQK	1.141	C1178 C1183 ,C1183	TP53BP1
VLLSIC*SLLCDPNPDDPLVPEIAR	1.141	C78 C108 C78 C107 C107 C107 C78 C107 C109 C101 ,C107	UBE2D2,UBE2 D3
SIEIPRPVDGVEVPGC*GK	1.141	C261 C429 C425	U2AF2
YKVDC*EAVR	1.141	C380	SIRT1
QAQYLGMSC*DGPFKPDHYR	1.140	C393 C421	AHCY
HLSSC*AAPAPLTAER	1.140	C141 ,C141 C141	TWF2
LVILANN*PALR	1.140	C52 C52	RPL30
YLC*AGAVDFYNNLENFNVDKEAGER	1.140	C214 C150	GYS1
AC*HEMALR	1.140	C287 C287 ,C287 C287	TRMT1
IGLIQFC*LSAPK	1.140	C252 ,C252 C222	CCT4
KC*FSIDNPGYEPEVVAVHPGGDTVAIGGVD GNVR	1.140	C438	WDR1
LNPTYEEQDC*GPPGRPPR	1.140	C397 C313	SH2D5
AVHQC*DR	1.140	C72	NUBP2

VSC*AGQM+LEVQPGLYFGGAAVAEPDHL R	1.139	C23,M27	DUSP12
WNQQQLDDLYLIAIC*HR	1.139	C222	DCPS
QEPLGSDSEGVC*LAYDEAIMAQDR	1.139	C23 C23 C23 C23 ,C23 C23	OTUB1
MEC*PEIDCEEGWALLK	1.139	C107 C138	IFIT1
VVTSEALC*GVPVLVLANK	1.139	C78 C125 ,C78 C125 C125	ARFRP1
EGGQYGLVAAC*AAGGQGHAM+IVEAYPK	1.139	C443,M452 C458,M467 C436,M445 ,C458,M467 C436,M445	HADHB
VSDTVVEPYNATLSVHQLVENTDETYC*IDN EALYDIC*FR	1.139	C183,C193 C183,C193 C131,C141 C131,C141 C201,C211 C201,C211 C201,C211 C201,C211 C201,C211 C201,C211 C201,C211 C201,C211 ,C183,C193 C183,C193 C183,C193 C183,C193 C131,C141 C131,C141 C131,C141 C131,C141 C201,C211 C201,C211 C201,C211 C201,C211 C201,C211 C201,C211 C201,C211 C201,C211 C201,C211 C201,C211 C201,C211 C201,C211 C201,C211 C201,C211 ,C183,C193 C201,C211 C129,C139 C131,C141 C201,C211 C201,C211 C115,C125 C201,C211	TUBB4A,TUBB 6,TUBB2B,TU BB,TUBB4B
ECPSDEC*GAGVFMASHFDR	1.139	C126	RPS27A
SKDGV*VR	1.139	C261 C265 C261 C265 ,C185 C261 C265	NPEPPS
QVASSTGFC*DQR	1.139	C161 C1888 C3228 C3229 C161 C769 C769 C3225 C500 C3221 C769 C161 C3229 C3224 C161 C1885 C925	DMD
GQYRPSDLLC*PETYVWVPIEQCLPSLENSK	1.139	C426 C422 C429 C333 C429 C314 ,C422 C429	ATE1
GSVSDC*SDGTSELEEPLGEDPR	1.139	C189 ,C189 C114	ERF
NLEVSSC*VGSGGSSEAR	1.139	C1175	TNKS1BP1
ILQAC*GGNSLGSYSASQGVNCIR	1.139	C142 C42	GPT2
TVTC*VTVEPEAPPSPDVLQAATHR	1.138	C960 C960 C961 C962 C962 C958 C962 C958 C961 ,C960 C960 C961 C958 C962 C958 C961	PHRF1
AKFENLC*K	1.138	C564 ,C564 C564	HSP90AB1
VC*NALALLQCVASHPETR	1.138	C91 C91	RQCD1
TC*ATDLQTK	1.138	C42 C42 C42 C42 C42 ,C42 C42 C42	BPNT1
LLETPYHC*EAGAATDAEATEADGADGR	1.138	C629 C629	SELO
IIEENITSAAPSNDQDGEYC*PEVK	1.138	C320 C331	SRPK2

HC*EDPVVIDDGDSPLDQEQEQLPVEPHSD LAK	1.138	C134 C23 C134	ZNF496
FQDATAVVPPMC*LLPNSHYEQVMTAFGGK	1.138	C451 C511 C484 C429 C270	HACL1,PHYH2
HIQEWGPFDLVIGGSPC*NDLSIVNPAR	1.138	C521 C487 C710 C710	DNMT3A
EREC*NPPNSQPASYQR	1.137	C310 C295 C310 ,C303 C310 C295 C310 C303 C310 C295 C310	PPIG
GSQMGTVQPIPC*LLSMPTR	1.137	C531 C531 C559 ,C531 C559	FAM120A
DVLIEFYAPWC*GHCK	1.137	C406 C555	PDIA4,PDIA3
NAFAC*FDEEATGTIQEDYLR	1.137	C114 C108 C109	MYL12A,MYL1 2B
EENVGLHQTLDQTLNELNC*I	1.137	C283 C247	TPM4
LKSYC*NDQSTGDIK	1.137	C106	HPRT1
GDCVECMAC*SDNTR	1.137	C289 C228 ,C289 C269 C239 C228 C269	MPI
NGFPHPEPDC*NPSEAAESEESNSEIEQIPV EQK	1.136	C93 C161	DDX21
KTTEEQVQASTPC*PR	1.136	C108	BOP1
QC*LESDAGASNEYDSSPAAWNKEDFPW SGK	1.136	C49	RECQL
YCADQQPENHEVDTSVSGAGC*TTYKEPLD FR	1.136	C244	C5orf51
LVMEYLAICDEC*YITEMEMLLNEK	1.136	C525 ,C525 C525	GARS
LGC*QIVLTPELEGAFTLPK	1.136	C151 C16	FDX1L
AQVDVATNPYEIMC*MIR	1.136	C199 C153 C172 C179 C199	KIF2A
GLYDGPVC*EVSVTPK	1.136	C468 C504	DPYSL2
FCAC*PEEAAHALELR	1.136	C66 C66 C66 ,C66 C66 C66 C66 C66 C66	SARS2
LLISC*WGHSEPSMR	1.136	C366	PLD3
C*GFLPGNEK	1.135	C91 C106	PSME2
HVLALTGC*GPGR	1.135	C51 C51 ,C51	HGH1
VASASAGSC*DVPSPFNHRPG	1.135	C308 C308 ,C308 C310 C308	DBN1
C*TDPPAGKPAMAPK	1.135	C11	CASZ1
GAVEC*CPNCR	1.135	C149 ,C149 C149	DNAJA1
SYLSGEEVEDDLVGAPEYEC*YAPDTEE LEAER	1.135	C315	RBFA
KTHLCDVEIPGQGPMC*ESNSTMPGPSLES PVSTPAGK	1.134	C161 C193 C176 C140	NIT1
VVVVDC*KK	1.134	C249 C352	TIMM50
AKC*ELSSSVQTDINLPYLTM+DSSGPK	1.134	C317,M334 ,C317,M334 C317,M334	HSPA9
IAPC*PSQDSLSDPLDSTSAQAGEGVQR	1.134	C169 C308 ,C308	DOK1
LDVGNFSWGSECC*TR	1.134	C72	RPS8
C*MDYSSDSSVTPSGSPWVR	1.134	C416	LARP6
GC*TIVKPFNLSQGK	1.134	C301	TPX2
M+HSVGIC*GSDVHYWEYGR	1.134	M18,C24 M39,C45 ,M39,C45	SORD
TEEDTSEDANC*LALSGHDKTEAK	1.134	C677	PAPOLA
VRPSTGNSASTPQSQC*LPSEIEVK	1.133	C131 C131 C131 C131 ,C131 C131	ANAPC7
VC*NFLASQVPFPSR	1.133	C214 C205 ,C214	HSD17B10

ILDILGETC*K	1.133	C225 C225 C225 C156 ,C225 C225 C225 C156 C224	SAFB,SAFB2
LQGINC*GPDFTPSFANLGR	1.133	C466 C498 C662 C669 C622 C575 C498 C622 C466 C662 C575 C603 ,C466 C498 C662 C669 C622 C575 C498 C622 C466 C662 C575	EIF4G1
DFGYGVEEEEEEAAAAGGGVAGAGGGC* GPGGADSSKPR	1.133	C52	RRAGC
IC*SIYTSQGENSLVQEGSEASPIGK	1.133	C487 C504	LAS1L
EAEVVLCCGGTESMSQAPYC*VR	1.133	C125 C128	ACAA2
EAVC*FIPGEGHTLQEHQIVLVEGGR	1.133	C93	MRPS12
AC*TAQSLGNLLDMMYR	1.133	C65 C49 C87 C49 C87	DGUOK
WLNDLLCLDC*LNITR	1.133	C489 C417 ,C489 C336 C417	NAT10
GALSENGVIGEASPC*GSEGK	1.133	C901 C1064 C1084 C1042 C900	CECR2
AKC*ELSSSVQTDINLPYLTMDSSGPK	1.133	C317	HSPA9
LEQGEEPWIMGGFPC*QHSPEAWR	1.133	C75 C75	RBAK
HYLDQLNHILGILGSPSQEDLNC*IINLK	1.133	C254	MAPK1
C*QNEQLQTAVTQQVSQIQQHK	1.133	C678 ,C678 C689	USO1
EAVQC*VQELASPSLLFIFVR	1.133	C1070 C1101 C1265 C1272 C1225 C1179 C1102 C1226 C1069 C1266 C1178 C1070 C1101 C1265 C1272 C1225 C1179 C1102 C1226 C1069 C1266 C1178 C1070 C1101 C1265 C1272 C1225 C1179 C1102 C1226 C1069 C1266 C1178 ,C1070 C1101 C1265 C1272 C1225 C1179 C1102 C1226 C1069 C1266 C1178 C1070 C1101 C1265 C1272 C1225 C1179 C1102 C1226 C1069 C1266 C1178	EIF4G1
AATDAQDANQC*CTSCEDNAPATSYCVECS EPLCETCVEAHQR	1.132	C152	TRIM28
EEFASTC*PDDEEIELAYEQVAK	1.132	C223	CLIC1
EIC*CYSISCK	1.132	C158 C158 ,C158	ARL8A,ARL8B
AATDAQDANQCC*TSCEDNAPATSYCVECS EPLCETCVEAHQR	1.132	C153	TRIM28
IVGIGYNGMPNGC*SDDVLPWRR	1.132	C71 C60 ,C71 C60 C60	DCTD
GQPC*SQNYR	1.132	C44 C44	PPA2
TYADYESVNEC*MEGVCK	1.131	C28 C28 ,C28	ERH
VC*ALLSCTSHK	1.131	C299	AKR1B1
C*DSVCVNPYHYER	1.131	C123 C123 ,C123 C123 C123 C123 C123	SMAD4
C*PLVGSNVPWAFMQGEIATILAGDVK	1.131	C539 C555 C764	IRF2BPL,IRF2 BP2
GSAPHSESDLPEQEEELGSDDEQEDPND YC*K	1.131	C47 C234 C63 C79 C234	SRPK1
EC*PSDECGAGVFM+ASHFDR	1.131	C121,M132	RPS27A
SAGALEEGTSEGQLC*GR	1.131	C59 C59 C59 C59	ARMC10

ISNTAISIDHTALAQFC*K	1.131	C62	GART
TSGNVEDDLIIFPDDC*EFK	1.131	C80	ADRM1
AGSSGNSC*ITYQPSVSGEHK	1.131	C467 C480 C440 C468	PIP5K1A
TVPFC*STFAAFFTR	1.131	C394 C386	TKT
RVC*LIQEPK	1.131	C984 C970	SUGP2
ISGPNLSC*LK	1.130	C207	UTP23
NMITGTAPLDGC*ILVVAANDGPM+PQTR	1.130	C147,M158	TUFM
QVC*QLPGLFSYAQHIASIDGR	1.130	C49 C49 ,C49	MTCH2
GGC*PGGEATLSQPPPR	1.129	C22	BTF3
GVWGTGQVYDVEEVVVKDPNYDDQENC *VYETVVLPLDER	1.129	C139 C150 ,C139 C150 C139 C150	PDCD4
LESLSAESHPPGNC*GEVNGVIAGVAPSV EAFDK	1.129	C32 C32 C32 C32 C32 C32 C32 C32 C32 ,C32 C32 C32 C32 C32	CAP2
SLSGSSPC*PK	1.129	C785	SRRM2
TC*TTVAFTQVNSDKGALAK	1.129	C199 C84 ,C199	RPL7A
LC*FLDKVEPHATIAEIK	1.129	C18 C18 ,C18	TECR
AIDKNFSDISSVIGDGC*WQADSQR	1.129	C109	RMND5A
YASIC*QQNGIVIVEPEILPDGDHDLKR	1.129	C232 C178 C178	ALDOC,ALDO A
IIVFSAC*R	1.129	C89 C91 C91 ,C89 C91	ARHGAP1
EVLQVC*YR	1.128	C179 C244	SF3A1
MC*INSVGNGLDTPFEVSQFLR	1.128	C202	TSNAX
VGVGTC*GIADKPM+TQYQDTSK	1.128	C214,M221	SMNDC1
ITC*DKESEGLLLSR	1.128	C160 C160 C156 ,C160 C115 C160 C156	TDRKH
AVASQLDC*NFLK	1.128	C193 C207	PSMC6
PGHLQEGFGC*VVTNRFDQLFDESDFEV LK	1.128	C11 C11 C11 C11 ,C11 C11 C11 C11 C11 C11 C11 C11 C11 C11 C11 C11	SERBP1
GSDPFASDC*FFR	1.128	C657 C523 ,C657 C343 C523	EPS15
LKDEDFPSLSASTSSSC*STAATPGPVGLAL PYAIPAR	1.127	C447 C450 C456 C401 ,C447 C450 C456 C401 C447 C450 C456 C401 ,C447 C450 C456 C59 C401 ,C447 C450 C456	ZNF598
C*PENAFFLDHVR	1.127	C783 C778 C767 C802	MYO1C
RISSAAPSSDSSLYNAPLPEYSSC*QPPSAP PPSYAK	1.127	C290	ENAH
SATVKPGAVGAGEFVSPC*ESGDNTGEP SALEEQR	1.127	C1708 ,C1703 C1708	TP53BP1
ILGLVQQAQAEHC*SIQDAQAAMR	1.127	C210 C382 C210 C210 C382 C210 ,C210 C382 C210	REXO4
NHAVVCQGC*HNAIDPEVQR	1.127	C364 C355	TES
DADDEESIEDVDEEFELIDTFEDDNC*FSSG KDDMDFAGNVK	1.127	C856 C856	CEBPZ
SSEC*MKDDPITLFLVALSPQGTAGGELFLDD GHTFNYQTR	1.126	C725 C730 C822 C844	GANAB
ELVSCSNC*TDYQAR	1.126	C398 C398 ,C398 C398	SARS
FSLEALTGPDELWLIQAPADFAPEC*FN GR	1.126	C57 C55	CD3EAP
EVIFLGPAPAC*PEAWGSPEPGPAESSADM +DGSGR	1.126	C1196,M1214	SYNM

C*ATTPMAVHR	1.126	C2267 C2261 C2267	UBR5
C*ALGWDHQEK	1.126	C246 C246 C246	CTTN
KDVLIEFYAPWC*GHCK	1.126	C406 C555	PDIA4,PDIA3
C*FAQSVVLR	1.126	C411 ,C411 C411 C376 C411	MSTO1
MPDGC*YADGTWELSVHVTDLNR	1.126	C12 C12 ,C12 C12 C12 C12	FERMT2
ELASAGLYTGIGDQVQCFC*CGGK	1.126	C202	XIAP
C*GQEEHDVLLSNEEDRK	1.126	C46 C37 ,C46	TES
GDTVSAASPC*SAPLAR	1.126	C247	SKIV2L
PMC*VESFSDYPPLGR	1.126	C411	EEF1A1
GIPAC*EQNVSR	1.126	C563	AKAP17A
ILLLC*VGEAGDTVQFAEYIQK	1.126	C46 C46 ,C46	PSMB2
EGEAC*GTVGLLLEHSFEIDDSANFR	1.125	C49 C49 C49	EMC10
MQHLPDPQLIPEQITTDITPEC*LVSPR	1.125	C520 C520 ,C520 C370 C520 C473	FERMT2
QAHLCVLASNC*DEPM+YVK	1.125	C56,M60	RPS12
EC*NPPNSQPASYQR	1.125	C310 C295 C310 ,C303 C310 C295 C310	PPIG
LQVEEC*EEQR	1.125	C253 C100 C318 C318	SNX1
IQQDSGC*K	1.125	C176 C176 ,C176	KHSRP
SETSVANGSQSESSVSTPSASFEPNNTC*E NSQSR	1.125	C144	UBXN4
VVMALGDYM+GASCHAC*IGGTNVR	1.125	M127,C134 ,M127,C134 M127,C134	EIF4A1
LTSSVSC*ALDEAAAALTR	1.124	C210 C95 C97 C210 C210 C181	ANKRD17,AN KHD1
DSVPKEHILPSLAHLLPALDC*LEGSTPGL	1.124	C243	HDHD3
RPDLDC*MAGLR	1.124	C225 C225 C225 C225 C225 C225 C225 C225 C225 C225 ,C225 C225 C225 C225 C225	CEP78
C*LSVMEAK	1.124	C781 C773	AARS
VVMALGDYM+GASC*HACIGGTNVR	1.124	M127,C131	EIF4A1
GRDDC*GTFEDTGPLLQFDYK	1.124	C268 ,C286 C268	RRP1B
FQGIKHEC*QANGPEDLNR	1.123	C118 C135	DSTN
GC*QDFGWDPFCQPDGYEQTYAEMPK	1.123	C146 C105 ,C146	ITPA
NEAIQAAHDAVAQEGQC*R	1.123	C152 C152	UCHL1
ETVSEESNVLC*LSK	1.123	C591	EEF2
KHPNEIC*VPM+SVEFEELLK	1.123	C103,M106	SF3A3
YC*VRPNSGIIDPGSTVTVSVM+LQPFDYDP NEK	1.123	C60,M79	VAPA
NDYGTSGFSEEVLYTSGC*APSMASPVL TK	1.123	C409 C465	FNDC3A
QGDVLEHFAADGFLPDSLLDIITNC*GSGFA ENQMGR	1.123	C314 C314 C314	EARS2
SGAELALDYLC*R	1.123	C107 C92 C107 C75	C7orf50
ASATGMIIMDGVEVPEENVLPGASSLGGPF GC*LNNAR	1.123	C289 C289	GCDH
LDSYVNADHDLYC*NTR	1.123	C180	GEMIN8
VELC*SFSGYK	1.122	C6 C6 C6 C6 C6 C6 ,C6 C6 C6	RPL24
RAPPGGC*EER	1.122	C117	EXOSC6
DSSTSYTETKDPSSGQEVATPPVPLQVC* EPK	1.122	C651 C691 C691 C633	ACIN1
SC*QAMFQQINDSFR	1.122	C1130	EDC4

YHEVHYILLDPSC*SGSGM+PSR	1.122	C308,M313	NSUN5
LQGTSSHSADTPEASLDSGEGPSGMASQG C*PSASR	1.122	C427 C352	DAXX
FTELKGTGC*K	1.122	C31 C31 C31 C31	SEPHS1
YLLQYQEPIPCQLVTALC*DIK	1.122	C115 C115 C115 C115 ,C115 C115 C115	PSMA4
LMDVC*ATSR	1.122	C78 ,C78 C78 C78 C78 ,C78 C78 C78 C78 C78	CDK4
QMEKDETVSDC*SPHIANIGR	1.122	C206 C235 C206 C194	CAPZB
TYPGVMHSSC*PQEMA AVK	1.122	C213	LYPLA2
VC*IESEHSMDTLLATLK	1.122	C41 ,C46 C41	ATOX1
TPDTSTYC*YETA EK	1.122	C2041	MAP1B
ISPVIYHFVFTNESNETDYVPLPIIDSV EC*NK	1.122	C342 C384 C254 ,C342 C384 C254 C342 C384 C254	CYHR1
IYGETPEAC*R	1.121	C282	FXR2
CPEALFQPSFLGM+ESC*GIHETTFNSIMK	1.121	M269,C272 ,M269,C272 M269,C272 M269,C272 M269,C272 ,M269,C272 M269,C272 M269,C272 ,M269,C272 M269,C272	ACTG1,ACTB
VNPC*IGGVILFHETLYQK	1.121	C127 C73	ALDOA
NHDEESLEC*LCR	1.121	C739 C770 C934 C941 C894 C848 C771 C895 C738 C935 C847 C875 C964 C1117 C648 C928 C934 ,C739 C770 C934 C941 C894 C848 C771 C895 C738 C935 C847 C964 C1117 C648 C928 C934	EIF4G3,EIF4G 1
DSL DQFDC*K	1.121	C1131	XPO5
YHTVNGHNC*EVR	1.121	C175 C175 C175 C175	HNRNPA1
VMSNLVEHNGVLESEAGQPQALGSSGTC*S SLKK	1.120	C628 C610 ,C610	RRP1B
M+QHLNPDPQLIPEQITTDITPEC*LVSPR	1.120	M498,C520 M498,C520 ,M498,C520 M348,C370 M498,C520 M451,C473	FERMT2
YFAGNLASGGAAGATSLC*FVYPLDFAR	1.120	C129 C129 C129 C129 C129 C129 ,C129 C129 C129 C129 C129 C129 C129 C129 C129	SLC25A6,SLC 25A5,SLC25A 4
HIFWEPDASKLNENYC*R	1.120	C435 C440	HGF
IIDINYYPVPEAC*LSNKR	1.120	C492 ,C492 C492	RRM1
RPLNPLASGQGTSEENTFY SWLEGLC*VEK	1.120	C241 ,C241 C241	ERO1A
AAC*LESAQEPAGAWGNK	1.120	C53	HDLBP
C*NLEEISNYYGVS GFQTTEHFLTAV AHR	1.120	C342	GNL3L
WLSC*TATPQIEEEVSLTQK	1.120	C1295 C1312 C1295 C248 C1209 ,C1295 C1312 C1209	NUP98
LPPTLNLDC*SEPEFDLNYVPLK	1.119	C332 C415	OXSM
ELEAVC*QDVL SLLDNYLIK	1.119	C97	YWHAG
CFC*QVSGYLD DDCD VETIDRFNNYR	1.119	C37	ERO1A
AAC*EQLHQQQQQQEETA AATLL LQGEE EGEED	1.119	C292	PURA

LLVLEAFQVSHPC*R	1.119	C163 C178 C206 C163 C205 C191 C108 C205 C150 ,C206 C205 C191 C205 ,C163 C205	GSTZ1
DVPEDVAQEMVESGYVC*EGDHK	1.119	C547 C547 C547 C140 C547 C547 C547	WNK1
VC*HTELLLSQVSQK	1.119	C822 C771	TSC1
RSIQFVDWC*PTGFK	1.119	C347 , C231 C332 C347 ,C347 C347 ,C347	TUBA4A,TUBA 1B
LTTPTYGDLNHLVSATMSGVTTC*LR	1.119	C221 C221 C221 C239 C239 C239 C239 C239 C239 C239 C239 C239 ,C221 C221 C239 C239 C239 C239 C239 C239 C239 C239 ,C221 C239 C239 C239 C239 ,C221 C221 C239 C239 C167 C167 C239 C239 C239 C239	TUBB4A,TUBB 2A,TUBB2B,T UBB,TUBB4B
NC*PIGEQLQSVLGNISGYK	1.119	C218	C10orf88
TDIQCLIPC*AIDQDPYFR	1.119	C268 C309 ,C309	WARS
VKDADGVLC*R	1.119	C149 C184	CCDC106
EFCQQEVEPMC*K	1.119	C212 C213	OTUB1
EFESC*IQYYLENNWLQHEK	1.118	C356 C322 C315	DAP3
TFC*GTPEYLAPEVLEDNDYGR	1.118	C310 C248 C311 C249 C167 ,C311 C249 C167 ,C311 C249 C307 C307 ,C34 C307 C311 C13 C310 C307 C249 C167 C248	AKT3,AKT2,A KT1
C*VGNFGNSSGEVDTKK	1.118	C160	CWF19L1
C*AAVAAAAAAGEPR	1.118	C42	ITPKA
SC*SGVEFSTSGSNTDTGKVTGTLETK	1.118	C47 C47 C62	VDAC2
NTGIIC*TIGPASR	1.118	C49 C49 ,C49	PKM
C*AFISQASATMHLPATIGDYTDFYSSR	1.118	C105 ,C105 C35 C105	FAH
GHYAYDC*HR	1.117	C119 C119 C119 C119 C119 C119	SRSF7
NYLPAINGIVFLVDC*ADHER	1.117	C102 C102 C102 C34 C34	DKFZp434B20 17,SAR1B
ETTQNALQTPC*YTPYYVAPEVLGPEK	1.117	C203 C203	MAPKAPK3
LNLATEC*LPLDKYLQWEIGNK	1.117	C335	TRMT10C
LSVLSSGC*R	1.117	C289	HLCS
QILAPVEESAC*QFFFDLNEK	1.117	C288 ,C288 C151 C43	CWF19L1
VPDDGLTAQQLFNC*GDGLTYNDLILPGYID FTADQVDLTSALTKK	1.117	C26 C26	IMPDH2
SSESELIC*IETPK	1.117	C3223 C3230 C3239	HUWE1
IC*DQWDALGSLTHSR	1.117	C499 ,C499 C499	ACTN4
EVIQSDSLWLVEFYAPWC*GHCQR	1.117	C55 C103 C107 C60 C52 ,C107	PDIA6
C*PEALFQPSFLGM+ESCGIHETTFSIMK	1.116	C257,M269 C257,M269	ACTG1,ACTB
NC*LNPQFSK	1.116	C54	CPNE3
KDC*EVMMIGLPGAGK	1.116	C497 C478 C497 C478 ,C497 C478	HNRNPU
LC*LNICVGESGDR	1.116	C20 C21 C19 ,C20 C21	RPL11
LLC*SQLQVADFLQNILAQEDTAK	1.116	C54 C54	ZWINT
HC*NMVLENVK	1.115	C63 C53	SNRPD2

IEEDVVVTDSGIELLTC*VPR	1.115	C467 C403 C467 C403 C467 C403 ,C426 C403 C467 C426 C403 C467 C426 C403 C467 C426 C403 C467 ,C467 C403 ,C426 C403 C467 C426 C403 C467	PEPD
TM+HHLLLEVEIEGTLQC*PESGR	1.115	M84,C100 M79,C95 ,M84,C100	TRMT112
YGTC*PHGGYGLGLER	1.115	C511	NARS
GWNEC*EQTVALLSLLK	1.115	C20 C20 C20 C20 C20 C20 C20 C20 C20	SAMD4A,SAM D4B
VQENSAYIC*SR	1.115	C585	NOC2L
TSSDPTC*VEK	1.115	C119	XPO1
GHSAC*EPENLEFSSFMFWR	1.115	C147	NOB1
LTISYC*R	1.115	C82 C82	ICT1
AQFEYDPAKDDLIPC*K	1.115	C604 C610	CASK
FLGMHPC*ER	1.115	C813	COPG1
ITC*LCQVPQNAANR	1.115	C925 C901	AARS
TFPGC*TIR	1.114	C173	UBA2
C*HIISQFNQGFYDCVIATDAEVLGAPVK	1.114	C298 C252 C298 C298 C252 C298 ,C298 C252 C298	DDX56
GHFEAFGLTDC*VVVNPQTK	1.114	C36	HNRNPA0
SQSPAASDC*SSSSSSASLPSSGR	1.114	C121 C179	BAG3
SLEIC*HPQER	1.114	C239 C308 C266 C299 C225 ,C239 C308 C266 C299	ACOT9
INC*LEGTHEFFAIGFQK	1.114	C157 C210 C157 C210 ,C157 C210	UBXN6
ASAQTTSHELTIPNDLIGC*IIGR	1.114	C302 C301 C298 C297 C142 ,C298 C142	PCBP2
TVPFLPLLGGC*IDDTILSR	1.113	C180 C190	MRPL10
AGVC*AALAWPALQIAVENGFVHSQEK	1.113	C17	TSR2
AVQC*TSDYPEHVCEVLLTMR	1.113	C537 C555	SART3
VATFHDC*EDAAR	1.113	C97 C67	DPM3
RTEQDHYETDYTTGGESC*DELEEDWIR	1.113	C409 C409 C158 C87 C409 C355	OCLN
FLVPDM+MDDIC*QEQLFELSYLNGVPEPSR	1.113	M234,C239 M259,C264 M234,C239 M259,C264 ,M259,C264	KHDRBS1
FMYC*TPFTLDGR	1.113	C1902 C1933 C1904 C1944 C1933 C1935 C1913	DOCK7
QNSDFLC*QMDLLQEFYETTLEALKDAK	1.113	C130 ,C130 C130	COPS2
RVETNQDWSLMC*PNECPGLDEVWGEEFE K	1.113	C352 ,C130 C352	RRM1
NQYC*YGSR	1.113	C708	FASTKD5
NSPEDLGLSLTGDSC*K	1.112	C513 C518 ,C518	TP53BP1
KGDEC*ELLGHSK	1.112	C290 C290 ,C290	TUFM
VRGQAGGGPGTGPGLGEAGSLATC*ELP LAK	1.112	C45	MSRB2
TYDAASYIC*EAADFVK	1.112	C629	TMPO
LIEAEDNMNC*QMSNITVTYR	1.112	C41 C41 C41 C41 C41 C41 ,C41 C41 C41 C41	SNRPD3
SHTTEDC*TEELDFLHAR	1.112	C67	UQCRH

SFFDNISC*DDNRER	1.112	C311 C375 C54 C334 C375 C50 ,C311 C375 C334 C375	LSM14A
TPGAATASASGAAEDGACGC*LPNPGTFEE CHR	1.111	C76 C76 ,C76	TOMM40
LDVGNFSWGSEC*CTR	1.111	C71	RPS8
C*VFEMPENNDKLNDEPSK	1.111	C128	VAPA
VWNLANC*K	1.111	C182 ,C182 C182	RACK1
VLNEEC*DQNWYK	1.111	C32 C32 ,C32	GRB2
CEDC*GLLSEGDNQGCYPLDGHILCK	1.111	C550 C572	LPP
ELADITLDPPPNC*SAGPK	1.111	C67 C34 C17 ,C67 C34 C34 C17 C67	UBE2E1
YWLC*AATGPSIK	1.111	C249 C249 ,C249	RACK1
KC*LSVMEAK	1.111	C781 C773	AARS
LGADMEDVC*GR	1.111	C130 C130 C130 C156	APOE
ASFVTCPC*CYGFIQNTSK	1.111	C539 ,C539 C452	GSTCD
LLLEPMFEVPSNDIVC*VEVDKEVVEGK	1.110	C586	CLPX
LDNWLNELETYC*TR	1.110	C110 C86 C139 C65	RAB18
EIGLWFHPEELVDYTSC*AQNWIYE	1.110	C145 C170	NME1
YC*AAPTEPVIHNGSQGTGTNGSEISDSYQ AEYPDEYHGEYQDDYPR	1.110	C273 C227 C232 ,C273 C232	CNN3
GIDQC*IPLFVEAALER	1.110	C757	IPO7
SLLETNEIPLSLILWGPPGC*GK	1.110	C272 C52 C272	WRNIP1
GTPEQPQC*GFSNAVQILR	1.110	C67	GLRX5
IQFNDLQSLLC*ATLQNVLR	1.110	C585 ,C585 C585	KPNB1
C*PNLTYLNLSGNK	1.109	C37 C87 C39 C87 C87 ,C87 C37 C39 C87 C87	ANP32E
SSLPEFQAAPAEPEPEGPELLQVTLVDC*P GHASLIR	1.109	C93 C66 C93	EEFSEC
AC*QSIYPLHDFVFR	1.109	C201 C181 ,C201 C164 C181 C164 ,C201	RPS3A
QVLMGPYNPDTC*PEVGFFDVLGNDR	1.109	C129	ACBD3
QGEYGLASIC*NGGGGASAM+LIQK	1.109	C413,M422 ,C413,M422 C413,M422	ACAT1
TYPGVM+HSSC*PQEMAAVK	1.108	M209,C213	LYPLA2
ILC*FYGPPGVGK	1.108	C520 C390 C456 C406 ,C520	LONP1
YTIVVSATASDAAPLQYLAPYSGC*SMGEYF R	1.108	C294 C244 C294 C244 C294 C244 C294 C244 ,C294 C244	ATP5A1
LC*EPEVLNSLEETYSPPFR	1.108	C261 C261 ,C106 C261 C261 C261 C242 C261 C224 C261 C177 C227 C261	ZC3H14
FC*PSGAWELPGTPR	1.108	C476 ,C476 C476 C476	GTF3C2
VVEC*KPQPCVVSVEGLSSSTTDAQLK	1.107	C29 C1093 C866	RBM33
SHIMPAEFSSC*PLNSDEEVNKWLHFYEM+K	1.107	C226,M243 C207,M224 C207,M224 C115,M132 C115,M132 ,C226,M243 C207,M224 ,C167,M184 C226,M243 C207,M224 C207,M224 C115,M132 C115,M132 C167,M184	C11orf54
VLPNLPC*VVQEGAIVMAR	1.107	C129 C141	PYCRL
C*QNEQLQTAVTQQVSIQHQHKDQYNLLK	1.107	C678 ,C678 C689	USO1
IRPLNSEGTLNLLNC*EPPR	1.107	C1517	CDC42BPB

QALVEFEDVLGAC*NAVNYAADNQIYIAGHP AFVNYSTSQK	1.107	C151	HNRNPL
DNLTLWTSDSAGEEC*DAAEGAEN	1.107	C237 ,C237 C237 C237	YWHAQ
VSSSC*LDLPDSTEEK	1.107	C1071 C1045 C1034	RPRD2
DAFEHIVTQFSSVPVSVVSDSYDIYNAC*EK	1.107	C287 C287	NAMPT
SLAPPDASILISNVC*SIGDHVAQELFQGS DL GMAEEAERPGEK	1.107	C274 C204	SEN3
ELFASALSNDLLQNC*QVSEEDGR	1.107	C187 C187	PCM1
KGTQC*VEIQELVLR	1.107	C141 ,C141 C141	BCCIP
TVEYAPC*R	1.107	C126 C172	ITGAV
ALEQKPDDAQYYC*QR	1.107	C49 C49	SUGT1
AC*TTEEDQEKL MQITSLHSLNAFL LPIK	1.107	C489	GMPS
IC*VQNSTFSATWNR	1.106	C203 C203	MRPL37
LVSSPC*CIVTSTYGWTANM+ER	1.106	C589,M602	HSP90AB1
GKNPWPSDSSYPGPAAQGC*VR	1.106	C876 C1039 C1059 C1017 C875	CECR2
C*ADYVVTGAWSAK	1.106	C98	PSAT1
ADDTFEALC*IEPFSSPELDPVMK PQDSGS SANEQAVQ	1.106	C89 C111 C84	TCEB2
LTTLP SDFC*GLTHLVK	1.106	C59	LRRC59
KAGPGSLELC*GLPSQK	1.106	C565 ,C583 C565	RRP1B
VC*EEIAIPSKK	1.106	C35 C35 C35 C35 C35 C35 ,C35	RPS17
AC*MLSSNGFQNI SR	1.106	C714 C714 C432 C348 C586 C714 C670	SETD2
NC*NDFQYESK	1.106	C112 ,C112 C99	YWHAH
HTLDGAAC*LLNSNK	1.106	C170 C102 C113 C134 ,C170 C102 C113 C35 C134 ,C170 C102 C113 C35 C134 C170 C102 C113 C35 C134	MOB4,HSPE1
GGPGVALSVGTLPLD SGAGSEGS GTATPS ALITTNM VAMEAIC*PEGIAR	1.105	C755 C748	SP1
TSSDPTC*VEKEK	1.105	C119	XPO1
IGFPETEEEELEEIASENS DC*IFPSAPDVK	1.105	C340 C353	STRAP
NSC*NVGGGGGGGFK	1.105	C153	MEPCE
VTEDENDEPIEIPSEDDGT VLLSTVTAQFPG AC*GLR	1.105	C39 C39 C39 C39 C39 ,C39 C39 C39 C39 C39 C39 C39 C39 C39 C39	TARDBP
QMFEPVSC*TFTYLLGDR	1.105	C34 C34 C34 C34 ,C34	ETHE1
GSDASDFDLLETQSAC*SDTSESSAAGGQG NSR	1.105	C7548 C7511 ,C7548 C7344 C5894 C7511	MACF1
ISGADINSIC*QESGM+LAVR	1.105	C379,M384 C348,M353	PSMC4
STAPETAIEC*TQAPAPASEDEKVV VEPPEG EEK	1.105	C1594 C1587 C1619 C1622	CHD4
IVFVPGC*SIPLTIVK	1.105	C369	RARS
C*AVSDVEMQEHYDEFEEVFTEMEEK	1.105	C67 C67 C67 C67 C67 C67 ,C67 ,C67 C67 C67 C67 C67 C67 C67 C67 C67 C67 C67 C67	U2AF1L5,U2A F1
EITAISSVPC*QLLESVLQELK	1.105	C704 C645	NUP155
TLNKC*EILPEER	1.105	C371 C422	TBCE
NLVSPAYC*TQESR	1.104	C101	TXLNG

YGDGGSTFQSTTGHC*VHM+R	1.104	C290,M293 C290,M293 C290,M293 C290,M293 ,C290,M293 C290,M293	HNRNPH1
EEQLYDGYDEEYDC*PILDEDRVDELDNQ MR	1.104	C53 C50	AK6
C*YYSNTDAVIYVVDSCDRDR	1.104	C63 C80 C80 C63 C80 C80 ,C63 C80 C34 C80	ARL1
TC*TSVPETLHLNPSLK	1.104	C73 C73 C73 C73 C73 ,C73 C73 C53 C73 C73 C73	SKIL
DGTVLC*ELINALYPEGQAPVKK	1.104	C84 C63 C63	TAGLN2
FAGQMAALC*SR	1.104	C727 C635 C698 C664 C737 C766 C773	SMPD4
DSFIENSSSNC*TSGSSKPNSPSISPSILSNT EHK	1.104	C692 C773 C587 C852 C587 C852 C852	ATXN2
IPC*DSPQSDPVDTPSTK	1.103	C1250 C1251 C891 ,C1250 C1251	MKI67
TQVLSPATAGSSSSDIAPLPPVTLVPPPPD TMSC*R	1.103	C57 C57 C57 C57 C57 ,C57 C57 C57	STX5
VFIM+DSC*DELIPEYLNfir	1.103	M363,C366	HSP90AB1
AAVLVQQWVSYADTELIPAAC*GATLPALGL R	1.103	C112	VARS
NMMAAC*DPR	1.103	C285 C303 C303 C303 C303 C303 C650 C303 ,C285 C303 C303 C303 C303 C650 C303 C303 ,C285 C285 C303 C303 C303 C303 C303 C303 C303 C303 C650 C303 C650 C303 C303 C303 C303 C303 ,C285 C303 C231 C303 C303 C303 C650 C303	TUBB4A,TUBB 2A,TUBB6,TU BB2B,TUBB,T UBB8,TUBB3, TUBB4B
VEQNSEPC*AGSSSESDLQTVFKNESLNAE SK	1.103	C260 C184	UBR7
LCC*GLSMFEVILTR	1.103	C1061 C657 C1088 C282 C891 C62 C1087 C1112 C951 ,C1088	CYFIP2,CYFIP 1
AFAFVTFADDQIAQSLC*GEDLIK	1.103	C244 C244 C244 C244 C244 C244 C244 C244 C244 C244	TARDBP
NGAGLHTASSC*FWDSSTDGSCVTR	1.102	C83	DYNLT1
SVAAGC*PVLLGKDNPSGSPSR	1.102	C251	AVEN
VC*EDLDTSVNLAWTSGTNCTR	1.102	C210 C210 C210 C210 C210 C210 C225 C225 C225 ,C210 C210 ,C210 C210 C210 C210 C210 C210 C210 C210 ,C210 C210 C210 C210 C210 C210	VDAC2
RVNSDC*DSVLPSNFFLLGGNIFDPLNLSLLD EEVSR	1.102	C177	MEPCE
QPAHC*RR	1.102	C1071 C1071 C1071	MGA
VWELGGC*ANK	1.102	C253 C225	SRPRA
EGKPSWGLPIDAVQWDIC*NLPLR	1.102	C391	THUMPD3
APGGAGPSEPEHPATNPPGAAPPAC*ADSD PGASEPGLLAR	1.102	C30 ,C30 C30	FGD1
HFMELVTC*GLSK	1.102	C356 C356 ,C356	MRPS31
LGPVDMVLVNC*AGMAVSGK	1.102	C121 C121 C121	KDSR

VLMVEEPSMNLEWLYGC*PPPYHTFEFPVY MK	1.102	C498	MT
HTGPGILSMANAGPNTNGSQFFIC*TAK	1.101	C115	PPIA
FYC*VLSPEASEDDLNRDLSVACDVLFSK	1.101	C934 C934 C934 C934	UBR4
TGAAC*LPFYSAAGSIPSGVSGR	1.101	C29 ,C29 C29	GRSF1
SGDLFNC*GSLTIR	1.101	C177 ,C177 C177	BCKDHB
AAAPAPEEEMDEC*EQALAAEPK	1.101	C316 C266	EEF1G
ISAEELQHPYFSDFC*PP	1.101	C258 C290 ,C290	CDK5
DSC*LPSQGLSFSYGDILHVINASDDEWWQA R	1.100	C537 C519 C36 C182 C537 C519 C36 C182 ,C537 C519 C36 C182	DLG3
LHIVQVVC*K	1.100	C191	CLIC1
EHSNPNYDKTSAPITC*ELLNK	1.100	C1999	DYNC1H1
ALSIPPNIIDVLLC*EQEVVADETPAVQAVLR	1.100	C327 C116 C365	ABCFC1
LAGANPAVITC*DELLLGHEK	1.100	C4030 C4061	PRKDC
YKWC*EYGLTFTEK	1.100	C76 C76 C76 C76 ,C76 C76 C76 C76 C91 C91 ,C76 C76	VDAC2
TVGVQGDC*R	1.099	C523 C424 ,C523	GMPS
FCSFSPC*IEQVQR	1.099	C209 ,C209 C111	TRMT61A
DYEFM+WNPHLGYILTC*PSNLGTGLR	1.099	M272,C283	CKB
LSSC*DSFTSTINELNHCLSLR	1.099	C92 C92 ,C92	EPRS
YKVEYPIMYSTDPENGHIFNC*IQR	1.099	C56 C56 C70 C56 C56 C70 ,C56 C70	MGST3
TAFSDC*TSK	1.099	C107 C154 C154	ARFRP1
ALIEEVFPETGDVMC*NSVNAGWNQDPETHVI R	1.099	C202 C202 C101	KCTD15
IGFPETEEEELEEIASENSDC*IFPSAPDVKA	1.099	C340 C353 C340 C353 ,C340 C353	STRAP
IVPVDIYIPGC*PPTAEALLYGILQLQR	1.098	C183 C183 ,C183	NDUFS7
AC*FEPANQMVK	1.098	C295 C365 C295 C295	TUBA1C,TUBA 1B,TUBA1A
AKLTPGC*EAEAETEAIACFFVQQFTDMEHNR	1.098	C2359 C2357	FASN
VAHALAEGLGVIAC*IGEK	1.098	C127 C164 ,C127 C164 C127 C164	TPI1
SHVYSLEGQDC*K	1.098	C540 C448 C511 C477 C550 C579 C586 ,C477 C448 C579 C328 C586 C540 C243 C511 C320 C550 C215 C111 C454	SMPD4
YSTGSDSASFPHHTPSMC*LNPDLGPPLEA YTIQQGY	1.098	C213 C217 C217 C213	PCBP2
YLEVSEPQDIEC*CGALEYYDK	1.098	C146 C180 C195	EIF3D
SVDFIPNEEPNMC*K	1.098	C530 C497 C275 C322	XIRP2
EHVPVTPQC*TLSDQNAQQGQPEK	1.098	C1448 C1472 C1467 ,C1448 C1276 C1472 C1467	PTPN13
NAELC*EIPPTSDTK	1.098	C155	UBXN4
MKLNISFPATGC*QK	1.098	C12	RPS6
YC*NTWPVAISMLASK	1.098	C301	SORD
GGINLTATC*PQSELDATVK	1.098	C195	DRG1
AFTKPEEAC*SFILSADFPALVVK	1.098	C134	GART
ADPAIKEPLPVEDVC*PK	1.097	C64 C64 C64 C64 C64 C64 C64 ,C64 C64 C64 C64	AKAP1

HEGVFIC*R	1.097	C99 C99 ,C99	FBL
SC*SGVEFSTSGSSNTDTGK	1.097	C47 C47 C47 C47 C62 C62 ,C47 C47	VDAC2
FDLFFILVDEC*NEVTDYAIAR	1.097	C540	MCM6
QEQMC*NVGVSMGLTR	1.097	C280 C268 ,C280 C268 C280 C268	GNL3
STIQNLESSSNQALNC*K	1.097	C320 C282	GCFC2
C*CLTYCFNKPEDK	1.097	C144	RPS27A
THC*LALQEALGPGPGPTGDDYSR	1.097	C323 C347 C287	PNKD
YKVC*NYGLTFTQK	1.097	C66 C65 ,C65 C66	VDAC3
LMGLLSDPELGPAAADGFLLMSDC*TDVLT R	1.097	C848 C805 C869 ,C848 C805 C869 C848 C805 C869	MMS19
KFSNPYSIEYSELDC*EEGWTQLK	1.097	C140 ,C140 C140	IFIT3
ELEASEELDTIC*PK	1.097	C229	GLRX3
LLAIC*QPLTYSTR	1.096	C136 C136	OR3A2,OR3A3
EC*PSDECGAGVFMASHFDR	1.096	C121	RPS27A
GLIAAIC*AGPTALLAHEIGFGSK	1.096	C106	PARK7
YLKDEQLC*R	1.096	C270 C318 C201	RSBN1
C*FGTGAAGNR	1.096	C1312 ,C1312 C1312	PRKDC
LSLEPLPC*YQLELDAVAEVK	1.096	C32	NUDCD1
ECLTAYYNDPAFYEEC*K	1.096	C77 C84 C47	CMC1
SLDDSQC*GITYK	1.096	C282 ,C282 C101	TBC1D13
HDDSSDNFC*EADDIQSPEAEYVLLLLNPER	1.096	C166 C166 ,C166	ERO1A
AEVLISTVGPEDC*VVPFLTRPK	1.095	C38	MARS
SSGGFWAC*K	1.095	C308 C256 C308 C256 ,C308 C308 ,C308	IDH2
DTC*YSPKPSVYLSTPSSASK	1.095	C540	CD2AP
SMPVSLEDSGEPTSC*PATDAETASEGSVE SASETR	1.095	C102 C102	DIDO1
ALDLSSC*K	1.095	C461 C508 ,C461 C508 C437	STIP1
VTPTEEHVEGPLPSPVTNGTSPAQLNGGSA C*SSR	1.094	C165 C143 C160 C158 C271 C271 C165 C143 C160 C158 C271 C271 ,C165 C143 C160 C158 C271 C271	SLC9A3R2
HC*SQVDSVR	1.094	C112 C112 C112	CTTN
STLTDSLVC*K	1.094	C41 ,C41 C41	EEF2
LC*CGLSMFEVILTR	1.094	C1087 ,C1060 C656 C1087 C281 C890 C61 C1086 C1111 C950	CYFIP2,CYFIP1
LSYPLGGGLPFEDGSC*GPETLTR	1.094	C130 C130 C130	WDR81
LGQGC*FGEVWMTWNGTTK	1.094	C287 C292	YES1
LQEALDAEM+LEDEAGGGGAGPGGAC*K	1.094	M41,C57 M41,C57	HNRNPUL2
EGGGDSSASSPTEEEQEQQEIGAC*SDEGT AQEGK	1.093	C134	MARCKSL1
TGC*VDLTITNLLGAVAFMPEDITK	1.093	C391 C325 C325 ,C391 C325 C325 C391 C325 C325 C391 C325 C325	AUP1
VLKGNTAEGC*VHETQEK	1.093	C942 C942 C862 ,C942 C942	MYBBP1A
ENGLEEC*AGEPLSADPEAR	1.093	C1221	ZNF592

QPPWC*DPLGPFVVGEDLDPFGPR	1.093	C185 C185 C11 C185 C185 C11 ,C185 C185	PSMF1
NNTQVLINC*R	1.093	C46 C46 C36 ,C46 C36	SNRPD2
GTEAGQVGEPGIPTGEAGPSC*SSASDK	1.093	C241	PPM1G
EGGPNPEHNSNLANILEVC*R	1.093	C112	TACO1
FQSSAVM+ALQEAC*EAYLVGLFEDTNLCAI HAK	1.093	M91,C97	HIST1H3A
VDEFPLC*GHMVSDEYEQLSSEALEAAR	1.093	C49 C49 ,C49 C49 C49 C49 ,C49 ,C49 C49 C49	RPL10
SEGSTPADGLPGEEAEDDLGAPALSQAS SGTC*FPR	1.093	C961 C947	SUGP2
EELEQQTDGDC*EEDEEEENDGETPK	1.093	C379	SEC62
GYFHTFAGDTC*QVALNFANEEEEAKK	1.093	C115	WASL
SC*STFEQWFNAPFAMTGEK	1.093	C936 C1000 C936 C936 C936 C936 C936	SMARCA4
SWC*PDCVQAEPVVR	1.093	C43	TXNDC17
SGIQPLC*PER	1.092	C341	TMPO
C*AAGLAELAAR	1.092	C286 C287	GPS1
EGTQASEGYFSQSQEEFAQSEELC*AK	1.092	C659 C615 C613 C659 C615 C613 ,C659 C615 C613 C659 C615 C613 C659 C615 C613 ,C659 C613 C659 C613 C659 C613 C659 C613 ,C659 C615 C613 C659 C615 C613 C659 C615 C613 C659 C615 C613	DBN1
HEC*QANGPEDLNR	1.092	C118 C135	DSTN
TVNSNC*EINNR	1.091	C582 C582 C582 C582 ,C582 C582	PCM1
RNAEFLTC*NIPTSNASNNM+VTTEK	1.091	C435,M446 C392,M403	ADAR
C*HVQTIQLCR	1.091	C153 C153 C14 ,C153 C153	PES1
KGADIMYTGTVDC*WR	1.091	C257 C257	SLC25A6,SLC 25A4
C*YADTMFSLGKK	1.091	C165	TPMT
LFTEYPC*GSGNVYAGVLAVAR	1.091	C280	IRF2BP1
C*ATITPDEAR	1.091	C113 C61 ,C113	IDH2
VC*ENIPIVLCGNKVDIK	1.091	C130 ,C108	RAN
YNLSPSIFFC*ATPPDDGNLC*R	1.091	C99,C109 C120,C130 ,C120,C130	SORD
GGLVLFANSNSSC*MELSKK	1.091	C31 ,C31 C31	PRPSAP2
NLAVAMC*SR	1.091	C55 C55 C55 C55	PSMG4
TGQATVASGIPAGWMGLDC*GPESKK	1.090	C316	PGK1
TVPEPDQGPVSPVPEPDLPC*DLR	1.090	C793 C789	STAT2
TTSSANNPNLMYQDEC*DR	1.090	C586 C584	DDX17
SHSEC*GIIEK	1.090	C524	DDX20
LQTEAQEDDWYDC*HR	1.090	C758	DDX20
C*GESMLCVVPDISAFR	1.090	C382 C384 C308 C397 C362 C383 C322 ,C382 C83 C384 C308 C397 C362 C383 C322	RBPJ
WFLTC*INQPQFR	1.090	C244 C194	EEF1G
C*PQVEEAIQSGQKK	1.090	C158 C146 C158 C146 ,C158 C146	GNL3

EVDWSQNTATFSPAISPTHPGEGVLRLPLC* TADLNR	1.090	C45	GNPNAT1
YTCSFC*GK	1.090	C42 C18 C43 ,C42 C18	RPL37A,RPL3 7AP8
YYLCGFC*PAELFTNTR	1.090	C43 C43	LUC7L3
FC*YQNTFGPR	1.090	C27 C63 C63 ,C63	ZKSCAN1
C*GQEEHVDVLLSNEEDR	1.090	C46 C37	TES
YDLLFM+PPSFPPFGGMENPCLTFVTPC*LLA GDR	1.090	M291,C311	RNPEP
DSC*GKGEMATGNR	1.090	C8	VBP1
LQAANDSVC*R	1.090	C113 C117 C53	BLOC1S5
KQC*ALVALEDVK	1.089	C105 C105	PFKFB2
LGTTASVC*QLLK	1.089	C132 ,C89 C66 C78 C132 ,C78 C132	EML2
VFIM+DNC*EELIPEYLNFR	1.089	M371,C374 M493,C496	HSP90AA1
ILC*EAPVESVQVSGTVISRPAGQENPK	1.089	C108 ,C108 C108	DARS2
C*IADVSLFITVMDK	1.089	C128 C111 C128 C128 C111 C128 ,C128 C111 C128	VPS28
STDWEDDGGWAWEENEPQEPEEEGNTC*K	1.089	C67	RAB3GAP2
KC*LEEQLK	1.089	C491	CTPS1
SIAVLELIC*DVHNPGQDLVIHR	1.089	C93	GTF3C4
VCENIPIVLC*GNK	1.088	C116 ,C138	RAN
TC*LLIVFSK	1.088	C20 C20 C20 C20	RHOC,RHOB
NAVIPQYQALFMSDKC*ELNVTEDALK	1.088	C538	CLPX
VWLQYQC*LWDMQAENIYNR	1.088	C1059 C1059 ,C1059	DYNC1H1
MAEFLDWSLC*NLAR	1.088	C234 C234 C234	TBCD
NNDLC*YWVPELVR	1.088	C433	IARS
ANDGGLAAGAPAMHMASYGPEPC*TDNSD SLIAK	1.088	C85	AKAP8
ESLC*DSPHQNLSR	1.087	C65 C65 C65	U2SURP
DQDLASC*DR	1.087	C345 C347 C348 C414 C414 C345 ,C348	C7orf55,LUC7 L2
ASCLPAMLLDPPPGSHVIDAC*AAPGNK	1.087	C234	NSUN5
LLEGDGGPNTGGMGAYC*PAPQVSNLLLLK	1.087	C237	GART
DAIITC*NPEEFIVEALQLPNFQQSVQEYR	1.087	C422 C441 C401	ELAC2
IGSSLYALGTQDSTDIC*K	1.087	C264 C276 C148	SNX6
EDLNC*QEEEDPMNKLK	1.087	C139 C139 ,C139	EIF3G
IKEDILAC*SAAELNYGLAQFVR	1.087	C1094 C1108 C1101 C1106	ZMYM3
FPEELTQTFMSC*NLITGMFQR	1.087	C389 C339 C389 C339 C389 C339	EEF1G
ACSDFLVQQLDPSNAIGIANFAEQIGC*VELH QR	1.087	C196 C196 C196 C196 C196 C196 C196 C196 ,C196	KEAP1
QFGVTEWC*VNGSPIETLSEWIK	1.086	C743 C1429 C746 C613 C610 ,C572 C743 C1429 C746 C610 C613	WIZ
ARGGC*PGGEATLSQPPPR	1.086	C22	BTF3
LNDDWAYGNDLDARPWDFAEEC*ALR	1.086	C769 C674	STRIP1
DKENTGVLHAFPPC*EFSQQFLDSPAK	1.086	C926 C926 C882 C926 C882	RBM15
KVTEETEPIVECQEC*ETEVSPTSQTGGSS GDLGDISSFSSK	1.086	C1288 ,C1283 C1288	TP53BP1

ITSVSTGNLC*TEEQTTPPRPEAYPIPTQTYT R	1.086	C1189 C1165 C1190 C1213 C1206 C1205 C1189 C1206 C1206 ,C1165 C1205 C1213 C1206	MLLT4
NTVC*PEQSEALAGGSAGDGAQAAGVTK	1.085	C91	ZNF687
RQQQEAGEPGGGGGASDTGGPDGC*GG EGGGAGGGDGPEEPALPSLEGVSEK	1.085	C332 C303	RING1
ITIADC*GQLE	1.085	C161	PPIA
LSC*VPVLIFANK	1.085	C118	ARL3
WHLC*PTLYESR	1.085	C263 C222 C264	C11orf68
SGTIC*SSELPGAFEAAGFHLNEHLYNM+IIR	1.085	C190,M212 C160,M182 C200,M222 C190,M212 ,C190,M212 C200,M222 C190,M212 ,C160,M182 C190,M212 C122,M144 C141,M163 C200,M222 C190,M212	CAPNS1
SHLM+SLYSAC*SSEVPHGPVDQK	1.085	M136,C142 M103,C109 ,M136,C142	BAG2
EEMQDAHVILNDITEEC*RPPSSLITR	1.085	C133 C135 ,C135	ILKAP
VFIMDSC*DELIPEYLNfir	1.085	C366 ,C366 C366	HSP90AB1
LDINLLDNVNC*LYHGEGAQQR	1.084	C34 C34 ,C34	XPO1
C*AGNEDIITLR	1.084	C81	PCNA
VSLISQGDtagGPC*APSQGSapeaAGGKP ITMTLGQASAGAK	1.084	C548 C661 C661 C635	KANSL3
EVYEGEVELTPC*ETENPMGGYGK	1.084	C141	RUVBL1
LEYC*EALAMLR	1.084	C249 C349 ,C349	DARS
HPNEIC*VPM+SVEFEELLK	1.083	C103,M106	SF3A3
TGVHHYSGNNIELGTAC*GK	1.083	C85 C85	RPL30
ALSC*PGQPSNcVTIPR	1.083	C57 C57 C57 C57 C57	SMAD1
YFAGWC*DK	1.083	C558	ALDH1L2
DEC*NVVEVVAR	1.083	C79	NPM3
CNFVLGPFC*QSQNQEVKPGSCPECQSAG PFEVNMEETIYQNYQR	1.082	C340 C203	MCM2
SGDAAIVDMVPGKPMC*VESF	1.082	C411 C409 ,C411	EEF1A1
QTRPVQSWLC*DPDAMEQGETPLTM+LQSQ VPNIVK	1.082	C413,M427	CAND1
DC*AVLSAIIIDLIK	1.082	C977 C948 ,C977 C948 C963	DHX36
ENLLSLACQHQC*R	1.082	C161	ARIH2
KNILEESLC*ELVAK	1.082	C2342 C2342 ,C2342	PRKDC
SQEATEAAPSC*VGDMADTPR	1.082	C230 C84 C229 C241 C248	44448
AAGDDEAMFIDENFC*TALEYGLPPTAGWG MGIDR	1.082	C562 C534 C562 C534	KARS
WNTDNTLGTEIAIEDQIC*QGLK	1.082	C103 C103 C118 ,C103 C103 ,C103 C103 C103 C103	VDAC2
IC*DGvQFGAGIR	1.082	C457	SAMM50
ADELLC*WEDSAGHWLYE	1.082	C74 C158 ,C158	NME3
SC*FESSPDPELK	1.082	C872 C872 C872 ,C872	SRRM2
SVTSNQSDGTQESC*ESPDVLDLDR	1.081	C264 C359 C347 C372 C270 ,C359 C347 C372	NDRG3
ILYLEDLDLSSSESgtTVC*SPEDPALR	1.081	C753	FAM171B

VPAFEGDDGFC*VFESNAIAYVSNEELR	1.081	C118 C68 C118 C68 C118 C68 C118 C68 ,C118 C68 C118 C68 C118 C68 ,C118 C68	EEF1G
NQEIPHKGAF C*DLVWSDPEDVDTWAISPR	1.081	C229 C170 C192	PPP6C
AAQPPAPAVPPNTDVMAC*TQTALLQK	1.081	C152 C115 C146 ,C152 C115 C146 C152 C115 C146	SSSCA1
DINAYNC*EEPTK	1.081	C91	PRDX6
DAPQPYELNTAINC*RDEVVSPLPSALQGPS GSL SAPPAAASVISAPSSSSR	1.081	C324	MEPCE
ITQSNAILC*YIAR	1.081	C78 ,C78 C78 C97 ,C78 C78 C78 C78 C44 C97 C37 C78 C78	GSTM4,GSTM 1
VFC*VEEEDSESSLQK	1.081	C386 ,C386 C368 ,C368 C368	RRP1B
AYHEQLSVAEITNACFEPANQMVKC*D	1.081	C189 C305 C290 C305 , C305 C305	TUBA4A,TUBA 1B,TUBA1A
ADEASELAC*PTPK	1.081	C2202 ,C2202 C2200	FASN
GC*EADITPEDLFNIFGGGFPSPGVSVHFSN GR	1.081	C192	DNAJB14
ANDGGLAAGAPAMHM+ASYGPEPC*TDNSD SLIAK	1.080	M77,C85	AKAP8
TKSC*SGVEFSTSGSNTDTGK	1.080	C47 C47 C62 ,C47 C47	VDAC2
VTTC*GTDVIALTK	1.080	C28 C27	C10orf32,BOR CS7
KIETC*GSR	1.080	C606 C606 C606	BBX
YFTTVC*VR	1.080	C1208 C1253 C1227 C1262 C1235 ,C1262	GAPVD1
AVPSLGYTEDPELPLGFLFHPVLGTPC*QPPSL PEEGSPGAVYLLSK	1.080	C99 C99 C271 ,C99 C99 C271 C99 C99 C271	C19orf54
DNPGVVTC*LDEAR	1.080	C234 C234 ,C234	UBA1
NDSPTQIPVSSDVC*R	1.079	C677 ,C677 C669 C686	TBC1D15
SNLEVVDTSTFGPESNILENAIC*DVPDQNSK	1.079	C353 C441	PHF3
LC*DLLSHLQR	1.079	C63 C63	CARD19
C*IAYSPPFGDYAQVSSLR	1.079	C631 C618	RAVER2
SVAPAAPTSC*DFSPGDLVWAK	1.079	C88	MSH6
AMQVESC*SSAVGVSNR	1.079	C108 C61 C126 C32 C126	NFAT5
M+QPDQQVVINC*AIVR	1.078	M54,C64	VASP
IEYEPLVACSSC*LDVSGK	1.078	C37 C119 C37 C37 ,C119 C37	NBN
NC*IVLIDSTPYR	1.078	C100 C100 ,C100	RPS8
DNVFPFHSLVFPC*SALGAEDNYTLVSHLIATE YLNEDGK	1.078	C566 C566	MARS
STPYEC*GFDPM+SPAR	1.078	C39,M44	MT
AAC*EQQAVALTLQEDR	1.078	C80	C9orf142
VSNSPSQAIIEVVELASAFSLPIC*EGLTQR	1.078	C642 C642 C642 C642 ,C642 C642	PTCD3
SLLINEAVEASC*IR	1.077	C188 C262 C289 C262 C231 C232 C261 C262 C188 ,C262 C261	PYCR2,PYCR 1
ALAIMC*R	1.077	C104 C129 C149 C83 C92 C69 C127 C112 C120 C111 C100 C121 C149 C75 C103 C86 ,C104 C129 C83 C92 C100 C121 C69 C75 C112 C86	PUF60

SGEEEAQPLGAPEEEEPTDGDASSHC*L WVDEFAPR	1.077	C475 C281 C280 C280 C308 ,C475 C280 C280 C308	CHTF18
C*VQAFGLPR	1.077	C49	ALX1
ADNKPC*LSFSEPENAVSEIEVAEVAYDAEE D	1.076	C319 C318 C290 ,C319 C290 C319 C290	SNX16
FEDRSPAAEC*LSEK	1.076	C573 C520	TRAP1
TTSFAESC*KPVQQPSAFGSMK	1.076	C14 C14	GSK3B
LM+WLFGC*PLLLDDVAR	1.076	M61,C66 ,M61,C66 M61,C66	PFAS
VLFPGCTPPAC*LLDGLVR	1.076	C440 C414	MAP1S
TIDGQQTIIAC*IESHQFQPK	1.076	C157	CAPZA1
AHTVLAASC*AR	1.076	C104	THEM6
C*STPEEIKK	1.075	C6 C23	DSTN
LLNYPEEVDC*VGLIK	1.075	C28	CEP44
C*EMPELVQHKLDDIFEPVLIPEPK	1.075	C1500 C1500 C1500	CKAP5
NC*SETQYESK	1.075	C112	YWHAG
NQIGPGC*QTQTMVQK	1.075	C13 C13 C13 C13	PHLDB1
IRESIQEDLAEAPC*LQGGRR	1.075	C945 C49 C1187 ,C945 C1187	INPPL1
LVSSPCC*IVTSTYGWTANMER	1.075	C590 ,C590 C590	HSP90AB1
KYEDIC*PSTHNMDVPMK	1.074	C73 C73 C103 C73 C73	EIF5A1,EIF5 A
YM+ACC*LLYR	1.074	M313,C316 M383,C386 M313,C316 M383,C386 M197,C200 M197,C200 M313,C316 M313,C316 M298,C301 M313,C316 M298,C301 M313,C316 M320,C323 M280,C283 M320,C323 M280,C283 ,M313,C316 M383,C386 M313,C316 M313,C316	TUBA1A,TUBA 1C,TUBAL3,T UBA4A,TUBA1 B
AHEILPNLVC*CSAK	1.074	C148	CCT8
VTDTQEAEC*AGPPVPDPK	1.074	C28	TTC1
DHQPC*IIFMDEIDAIGGRR	1.074	C228 C242 C228 C242 ,C228 C242	PSMC6
DIEHLNTSGAPADTSDPLQQIC*K	1.074	C475 C399 ,C475	NUP62
IGSC*TQQDVELHVQK	1.074	C130	DARS
RVSVC*AETYNPDEEEEDTDPR	1.074	C101 C101	PRKAR2A
AC*EEQGAALR	1.074	C61 C38 C50 C104	EML2
VDVSC*EPLEGVEK	1.074	C772 C777 ,C777	TP53BP1
YLC*DAYQCADVIWQYGLLKK	1.073	C300	LANCL1
LLEPIC*DADPSALANYVVALVK	1.073	C21 C21	RBM27
C*SEGVFLLTTTPRPVIVEPLEQLDDEDGLP EK	1.073	C431 C431 ,C431 C431 C431 C431	SFPQ
DC*PVPLPGDGLLVR	1.073	C55	ZADH2
LPVC*SQQQGEPDLTEHEK	1.073	C78	CCDC97
TAQDPGISPSQSLC*AESSR	1.073	C170 C164 C112 C170 C191	CCM2
QGFNLPIC*MAK	1.073	C863 C919 C906 C907 C841	MTHFD1L,MTH FD1
VNVTVRPGLAMALSGSTEPK*AQLSISSIGV VGTAEDNR	1.073	C71	DDT

TEQDHYETDYTTGGESC*DELEEDWIR	1.073	C409 C409 C158 C87 C409 C355 ,C409 C409 C158 C87 C409 C355 C409 C409 C158 C87 C409 C355	OCLN
TSEVNC*YR	1.073	C151 C158 ,C151 C158 C159 C152	CNBP
LC*VQNSPQEAR	1.072	C141 C150 C150 C150 C150 ,C141 C150 C150 C150 C150 C141 C150 C150 C150 C150 ,C150 C150 C150	CSTF2
HVTWQLC*PSPMESSK	1.072	C91 C91 C91 ,C91 C91	C2orf44
VGILDVDLC*GPSIPR	1.072	C54	NUBP2
SFGAEEHEVC*R	1.072	C353 C353 C353 C353 ,C353 ,C353 C353 C353	TAP2
DAAFQNVLTHVC*LD	1.072	C359	ATAD1
YIELFLNSC*PK	1.072	C476 ,C413 C413 C476 C476 ,C476 C413 C314 C420 C449	GRSF1
AYHEQLTVAEITNAC*FEPANQMVK	1.072	C295 C295 C295 C295 ,C295 C365 ,C295 C365 C295 C365	TUBA1C
SVSPC*SNVESR	1.071	C956 ,C956 C956 C956	SRRM2
LGVC*FDVPTASVTEIQEK	1.071	C614 C682	DDX21
FDPTQFQDC*IIQGLTETGTDLEAVAK	1.071	C39 C67 C35 C35 ,C39 C67 C35	BZW1
VSMILQSPAFC*EELESMIQEKFCK	1.071	C68 C68 C68 C68 C68 C68 C68 C68	ADD1
GADSFC*TPEPESLGPGTGFPEQEDELH R	1.071	C16 ,C16 C16 C16 C16 C16 C16	SLC4A2
EC*SNPSNLELYTQAILDM+TYFEENKLVD DFPEDSSSQK	1.071	C57,M74	C5orf51
VWAVLPSSPEAC*GAASLQER	1.070	C170	IBA57
QM+EKDETVSDC*SPHIANIGR	1.070	M197,C206 M226,C235 M197,C206 M185,C194 ,M197,C206 M226,C235 M197,C206 M185,C194 M223,C232	CAPZB
APAPAPPPSGSTSC*GDRDSR	1.070	C675 ,C675 C675	SCAF1
C*AVSDVEM+QEHYDEFFEEVFTEME EKK	1.070	C67,M74 C67,M74 C67,M74 C67,M74 C67,M74 C67,M74 C67,M74 C67,M74 C67,M74	U2AF1L5,U2A F1
HC*DSINSDFGSESGGC*GDSSPGPSASQ PR	1.070	C11,C25	NEK9
C*LSAAEEK	1.070	C207 C170 C170 C154 ,C170 C170 C154	TPM3,DKFZp6 86J1372
YLVLDLDC*VPEER	1.070	C1062 C1041	TCERG1
MGVEAVMALLEGTPDTPAC*VVSLSGNQAV R	1.070	C334 C303 C405 ,C334 C405	PFKM
DHTVSGDEDYC*PR	1.070	C953 C949	BAZ1B
KLC*LNICVGESGDR	1.070	C20 C21	RPL11
GLDYEGGGC*R	1.069	C691 ,C691 C217	PLOD3
NPQYPQSEGLLGECC*MIR	1.069	C96	SH3GL1
SSDECVVALC*DQWYLDYGEENWKK	1.069	C527 C527 ,C527 C473	LARS
VCLC*QGSAGSGAIGPVEAAIR	1.069	C20	BOLA1
CFEKNEAIQAHAHDAVAQEGQC*R	1.069	C152 C152	UCHL1

VKPEELESFC*EGGMLDSDLNPDWK	1.069	C601 C616 C616	SCAF4
M+ANVLDEPGQDLEADFPKNPLDINPSVDFL FDC*GLVGPEDVSTEQDLPR	1.069	M973,C1005 M987,C1019 M987,C1019 M985,C1017 M973,C1005 M987,C1019 M987,C1019 M985,C1017	ZMYM3
C*LHMFLQEEAIDR	1.069	C137 C141 C141 C141	SNX12
IHQC*ISINMLADKLNMTPEEAER	1.069	C350	EIF3E
LLWNC*NSNDGKDFER	1.069	C248 C248 C248 C248 ,C248 C248 C248 C248 C248 C206	GFM2
FFYDQAFAYGGVSGLYDFGPVGC*ALK	1.069	C155 C155 C155 ,C155	GARS
SLVNIPADGVTVPDALLPPAC*LGALGDLSV EQPVQFR	1.069	C1704	LRBA
ITINPGC*VVVDGMPPGVFSFK	1.068	C883 C862 C882 C903	GTF2I
NGETELC*MEGR	1.068	C301 ,C301 C166	AHSA1
TAFLAEDFNPEEINLDC*TNPR	1.068	C180	RABL3
LFSQFC*NK	1.068	C194	SMYD5
RSEVEEVDFAGWLC*K	1.068	C287 C384 ,C384 ,C287 C384 C287 C384	MAP2K2
TADIC*QMLVSTVDGDLYPPVEEPVASTDPK	1.068	C92	TAF7
M+LQPC*GPPADKPEEN	1.068	M72,C76	SF3B5
C*WNGVATWLWVANDENCGICR	1.067	C7 C7 C7 C7 C7 ,C7 C7	ANAPC11
SNNYVQEPEC*R	1.067	C69 C62 C69 C69 C48 C69	MTERF4
GQFHEYQESTIGAAFLTQTVK*LDDTTVK	1.067	C97 C64 C64 C64 C64 C97 C64 C64 C64 C64 C97 C64 C64 C64 C64	RAB5C
LNEC*VDHTPK	1.067	C164 C131 C159 C164 C192	GSTO1
VLDAESM+HDC*VSVVKVSIVNHLEFLR	1.067	M2663,C2666 M2654,C2657 M2663,C2666	HUWE1
TCDGVQC*AFEELVEK	1.067	C160 C136 C189 C115 ,C160 C273 C136 C189 C115 ,C96 C160 C273 C136 C189 C115	RAB18
VDVFREDLC*TK	1.066	C22 ,C22 C22 C22	PSME1
SNTGGQAFPQC*VFDHWQILPGDPFDN SSR PSQVVAETR	1.066	C812	EEF2
VMAEALGVSVTDYTFEDC*QLALAEGQLR	1.066	C269 C314 ,C314 C314	LPCAT1
SFGVQPC*VSTVLVEPAR	1.066	C592	FBXO30
GQIVGTPGSSGETTQPIC*VEAFSGLR	1.066	C245 C245 C246	MCM10
VKQEPGTEDEIC*SFSGGVK	1.066	C786 C786 C786 C547	TRIM33
YAYFNGC*SSPTAPLSPM+SPPGYK	1.066	C271,M281	GJA1
GC*WDSIHVVEVQEK	1.066	C147 C176 C147 C135 C173 ,C147 C176 C147 C135	CAPZB
M+VSDINNAWGC*LEQVEK	1.066	M360,C370 M360,C370 M360,C370 M295,C305 M360,C370	ACTN1
GEHGFIC*R	1.066	C397	FSCN1
AFQLEEGEETEPDC*K	1.065	C126	COIL
IC*DQWDNLGALTQK	1.065	C480 C480 C480 C480 ,C480 C480 C480 C415 C480	ACTN1
IAQLIC*ER	1.065	C134	DUT
C*SGIGDNPGSETAAPR	1.065	C2675	LRBA
MGITEYNNQC*R	1.065	C120 C120 ,C120	IARS

IGVVGGC*QEYTGAPYFAAISALK	1.065	C82 C82	CARKD
SC*NEQIEESEKHTANYDTEER	1.065	C390 C450 C258 C135 ,C450 C258 C135	SCAF11
LAENFC*VCHLATGDM+LR	1.064	C40,M49 C40,M49 C40,M49 C40,M49	AK2
NIANPTATLLASC*MMLDHLK	1.064	C333 C139 C275 C333 C333 ,C333 C333 C333	IDH3G
FSGDLDDQTC*R	1.064	C245	SSB
LMC*PQEIVDYIADKK	1.064	C140 ,C95 C140	NDUFAB1
YLAEVAC*GDDRK	1.064	C134	YWHAQ
LLDDFEQNPDEQDYLDVQVQAYDSNHC*SV SSELAQQR	1.063	C41	ZFYVE16
YSNVIFLEVVDVDDCQDVASEC*EVK	1.063	C69 C69 C69 ,C69	TXN
LVSSPC*CIVTSTYGWTANMER	1.063	C589 C589 ,C589 C589 C589 ,C589 ,C589 C589 C589 C589	HSP90AB1
AWVWNTHADFADEC*PKPELLAIR	1.063	C209 C82 C132 C132 C132 C82	RANBP1
WDYLTQVEKEC*K	1.063	C130 C173	CACYBP
SAGC*AAYMAPER	1.063	C323 C280 C296 C280	MAP2K7
YSNSDVIIYVGC*GER	1.063	C277 C244 ,C277	ATP6V1A
AFQYVETHGEVC*PANWTPDSPTIKPSPAAS K	1.063	C229 C229 ,C229 ,C211 C229	PRDX3
FGWDC*HGLPVEYEIDKTLGIR	1.063	C87 ,C87 C87 ,C87 C87 C87 C87	IARS
EQVPSLGSNVAC*GLAYTDYHK	1.062	C568	ILVBL
LVAF*PFASSQVALENANAVSEGVVHEDL R	1.062	C52 C52 C52 ,C52 ,C52 C52 C52 C52	NOP56
SESALSC*LSK	1.062	C832 ,C832 C789 C777	DDX24
EFEVKDPELEAQGDDMVC*DDPEAGEMTSE NLVQTAPK	1.062	C134 C134 ,C134 C91 C134	DDX24
DAANC*WTSLLSESEYAADPWVQDQM+QR	1.062	C99,M118	NUDCD2
LC*EQGINPEALSSVIK	1.062	C51	MZT1
THLCDVEIPGGQPMC*ESNSTMPGPSLESP VSTPAGK	1.062	C176 C161 C193 C176 C140 ,C161 C193 C176 C140	NIT1
ANNNAAVAP TTC*PLQPVTDPFAFSR	1.062	C46 C46 ,C46	SEC16A
LC*ASGAGATPDTAIEEIKEK	1.062	C31 C31	NUBP1
KAQC*PIVER	1.062	C87 C66 C66 ,C87 C66 C66 C87 C66 C66	RPS5
YVEPIEDVPC*GNIVGLVGDQFLVK	1.062	C466	EEF2
SGDAAIVEMVPGKPMC*VESFSQYPPLGR	1.062	C411 C411	EEF1A2
KGPVPAATNGC*TG DANGHLQEEPPMPTT	1.062	C413 C487 C541 C413 C487 C541 ,C541 C541 ,C413 C487 C541	ISYNA1
FGSTQEYEAC*FGQFILTPHIMTR	1.061	C2161 C2098	CAD
SGDWVCPNPSC*GNMNFAR	1.061	C30 C274 C362 C365	TAF15
TVEC*EEGSEDESRELMVELAAQR	1.061	C618 C655	CPSF3
SVIVC*QSR	1.061	C152 C152	ZBTB21
LVHDLPPPEVC*SLLNPAAIYANNEISLR	1.061	C85 C85 C17	NT5DC2
FTLDC*THPVEDGIMDAANFEQFLQER	1.060	C25	RPL22
GAEPETGSAVSAQC*QGPTR	1.060	C67 C90 C69	EIF2B4
QASLADC*LNHAVGFASR	1.060	C650	XPOT
GPAVGIDLGTYS*GVVFQHGK	1.060	C17 C17 ,C17	HSPA8

AAENNVFHLVATVC*SQEEPVQPLLR	1.059	C62 C62 C28	SLC7A6OS
FMLVLASNLPEQFDC*AINSR	1.059	C415 C461 ,C415 C461 C415 C461	ATAD3B
AEPYC*SVLPGFTFIQHLPLSER	1.059	C240 C391 C291 C277 C302 C291 C391	HNRNPUL1
EAC*SYTIHAEGDER	1.059	C399 ,C399 C134 C147 C134 C134	ACSF3
FLNEHLQEAC*TPELKPVEK	1.059	C208 ,C208 C208	ASCC3
YM+AC*CLLYR	1.058	M313,C315 M383,C385 M313,C315 M313,C315 ,M313,C315 M313,C315 M313,C315 M313,C315 M320,C322 M280,C282 , M313,C315 M383,C385 M313,C315 M383,C385 M197,C199 M197,C199 M313,C315 M313,C315 M298,C300 M313,C315 M298,C300 M313,C315 M320,C322 M280,C282 M320,C322 M280,C282	TUBA1A,TUBA 1C,TUBAL3,T UBA4A,TUBA1 B
VC*IESEHSMDTLLATLKK	1.058	C41	ATOX1
IIWCPFIPEESEDCC*EESSPTVALLHEDR	1.058	C249	EDC4
TVNIWQFDLETLC*QAR	1.058	C316 C316	WDSUB1
RC*TVDGPHELESR	1.058	C337 C337 C218 ,C337 C337 C187 C218	STRN4
AGEVVPAMYQFSQYVC*QQTGLQIPQLPA PPK	1.058	C82 C60 ,C82 C60 C82 C60	C19orf70,MIC1 3
ILAFPC*NQFGK	1.057	C75 ,C75 C75 C101 C138 C102 C62 C102 C75 ,C75 C101 C138 C62 C102 C75	GPX4
SYC*AEIAHNVSSK	1.057	C96 C96 C114	RPL32
LKETC*VSGEDPTQGADLSPDEK	1.057	C365 C372 C470	AKAP12
TIEEC*EVILMVGLPGSGK	1.057	C452 C452	HNRNPUL2
C*LNNLAASQLK	1.057	C275 C274	FKBP8
YSDVEVPASVTGYSFASDGDSTC*SPLR	1.056	C430 C430 C430 C430 C430 C430 C430 C430 C136 ,C430 C430 C430 C430 C430 C430 C430 C136 ,C430 C430 C430 C430 C430 C430 C430 C430	ADD1
GLELIASENFC*SR	1.056	C59 C80 C80	SHMT2
KDC*EVVMM+IGLPGAGK	1.056	C497,M502 C478,M483	HNRNPU
QC*FDDFADLVPFDSWEPLMR	1.056	C341 C312	TNFRSF10B
KC*EAEEAEPPAATQPQTSETQTSHLPESE R	1.056	C693 C733 C733 C675	ACIN1
LQSTPGAANKC*DPSTPAPASSAALNR	1.056	C369	DCP1B
GQVC*LPVISAENWKPATK	1.056	C86 C54 C144	UBE2L3
EDLNC*QEEEDPMNK	1.056	C139 C139 ,C139	EIF3G
GFC*FITYTDEEPVKK	1.055	C158 C158 C277 C277	HNRNPDL
IAVHC*TVR	1.055	C71 C72 C70 ,C71 C72	RPL11
YVENPSQVLNC*ER	1.055	C1344 C1285 ,C1344 C1285 C1280	NUP155

VDDPVVNPVATEDTAGLPGTC*SSELEFGG TLEDEEPAQEEPEPITASGSLK	1.055	C680	FAM129A
YEPFSFADDIGSNNC*GYIDLQAVLTHQGR	1.055	C380 C404 C415 C369	USP14
SSTPTGAAC*APGDYGR	1.055	C144	MEOX2
ASVMLSGQANDSVFHVC*PR	1.055	C244 C244 ,C244	MAP7D2
YEPDSANPDALQC*PIVLCGWR	1.055	C638 C673	NSUN2
ECICEVEGQVPC*PSLVPLPK	1.054	C149	MRPS25
AEDIKGTEC*VK	1.054	C525	ZFR
DIC*NDVLSLEK	1.054	C94	YWHAZ
QQLPQTTPPSC*LK	1.054	C577	FTSJ3
ILSDDC*ATLGTGLGVIPESVILLK	1.054	C934 C986 C998 ,C472 C934 C986 C472 C998 C111	USP48
TKGPC*VVEENDPIFER	1.054	C254 C274 C274 C274 C274 C274 C274 C274 C274 ,C254 C274 C274 C274 C274	BDP1
GMYGIEVEVFLSLPC*ILNAR	1.054	C294 ,C294 C294	LDHB
SVSAFAPICNPVLC*PWGK	1.054	C181 C39 ,C181	ESD
KEGGGGISCVLQDGC*VFEK	1.053	C198 C198 ,C198	CPOX
ENPDLAC*LQSIIFDEER	1.053	C63	TTC4
NYDGDVQSDILAQQFGSLGLMTSVLVC*PD GK	1.053	C336 C284 ,C336 C284 C336 C284 C336 C284 C336 C284	IDH2
DKEAMALDGTAYQGSSTC*ILQETSL	1.053	C628	SLC5A6
SSVQEEC*VSTISSKDEDPLAATR	1.053	C78 C78 ,C78 ,C78 C78 C78 C78	TRMT10C
VIEC*SYTSADGQR	1.053	C380	DHCR7
LWNTLGVC*K	1.053	C138 ,C138 C138	RACK1
LTGGGGTEEILDIIQDFC*VGK	1.053	C521 C468 C489 C511 C521 C468 C489 C511 ,C521 C468 C489 C511	GTPBP3
LC*GPCSVQAVLNDK	1.052	C799 C70 C799	MPHOSPH8
LAPILC*DGTATFVLDVPGFR	1.052	C568 C568	ZW10
LEKPNEGYLEFFVDC*SASATPEFEGR	1.052	C85 ,C85 C85 C85 ,C85 C85	EXOSC7
EEGGC*SLASTPATTLHLLQLSGQR	1.052	C334	TP53BP1
GSDC*GIVNVNIPTSGAEIGGAFGGEK	1.052	C478 C450	ALDH7A1
SFC*SQFLPEEQAEIDQLFDALSSDKNSPNV SSK	1.051	C13 C13 C13 C13 C13 C13 ,C13 C13 C13	TLDC1
SASVAPFTC*K	1.051	C1023 C1096 C1065	NUP153
LVLSAC*GR	1.051	C57 C42 C57 C57 C57 C42 C57 C57 ,C57 C42 C57 C57	NEURL4
VTAVIPC*FPYAR	1.051	C91	PRPS1
GAVLVC*DMSSNFLSKPVDVSK	1.051	C175	PSAT1
YNITHPMVNDADASLWQELEVSC*WPTLVIL GPR	1.051	C161	NHLRC2
SLHDALC*VVK	1.051	C397	TCP1
KPWFLTNEVEEC*ENYFSK	1.050	C99 C117	NUDT12
IIEYIGEEEATLVDFVC*SK	1.050	C795 C795 ,C795 C795 C795	RBM25
ADMGGAATIC*SAIVSAAK	1.050	C282 C313	LAP3
YYHQLTEGCGNEAC*TNEFCASCPTFLR	1.050	C49 C26 C46	UBE3A
YLAEVAC*GDDR	1.050	C134	YWHAQ
IEKELEAVC*QDVLSLLDNYLIK	1.050	C97 ,C97 C97	YWHAG
QGEYGLASIC*NGGGGASAMLIQKL	1.050	C413	ACAT1

AGLSPANC*QSDR	1.050	C556	BMS1
DLLLPEsc*TGPPQGMMEGAGAPGR	1.049	C1030 C1030 C983 ,C1030	RAI1
AGAIAPC*EVTVPAQNTGLGPEK	1.049	C119 C119 C119 ,C119 ,C119 C119	RPLP0
KSC*SGVM+EFSTSGHAYTDTGK	1.049	C36,M40	VDAC3
SPAESC*DLLGDIQTCIR	1.049	C614 C614 C534 ,C614 C614	MYBBP1A
TC*YPLESRPSLSLGTITDEEMK	1.049	C1937 C1923 C1921	NUMA1
VQAHAALINFTEDC*PK	1.049	C473 C491 ,C473 C491 C475	IPO5
TDSC*DVNDVQVVELLQER	1.048	C207	PAPSS1
TVDSQGPTPVC*TPTFLER	1.048	C237	NIFK
C*EAPDANQLQAMEER	1.048	C344 C356	GOLGA2
SSPC*IHYFTGTPDPSR	1.048	C290 C310 ,C222 C290 C310	SCRN1
GQAGGGPGTGPGLGEAGSLATC*ELPLA K	1.048	C45	MSRB2
C*PFTGNVSIR	1.048	C60 C60 ,C60	RPS11
EVIFLGPAPAC*PEAWGSPEPSPAESSADM DGSGR	1.047	C1196	SYNM
GYWAGLDASAQTTSHELTIPNDLIGC*IIGR	1.047	C302 C142 ,C298 C142 ,C302 C302 C302 C298 C298 C298 C142 C142 C142	PCBP2
C*LHSVQPLTGQGEVVSQWPCNPEK	1.047	C210	PCK2
TASISSPSEGTPVGSYGC*TPQSLPK	1.047	C787 C864	LARP1
LM+HLFTSGDC*K	1.046	M83,C91	GEMIN6
QTIGNSC*GTIGLIHAVANNQDKLGFEDGSVL K	1.046	C90 C90 C90 C90 ,C90 C90	UHL1
DAANC*WTSLLSEYAADPWWQDQMQR	1.046	C99	NUCD2
SLDLFNC*EVTNLNDYRENVFK	1.046	C123 C123	ANP32A
AAEVPSSVIEDC*DNVVTGGDPFYDRFPWFR	1.046	C839 C839 C830	KIF1A
RGSEDLFSTC*VTNGPFIM+SSNSASAANGN DSK	1.046	C23,M31 C23,M31 C23,M31 C23,M31	PTBP1
FQLTDC*QIYEVLSVIR	1.046	C143 C179 C143 C179	DPYSL2
TC*DGVQCAFEELVEK	1.046	C155 C268 C131 C184 C110 ,C155 C131 C184 C110	RAB18
LENLNEAIEEDIVQSVLRPTNC*R	1.045	C378 C336 C293	WAPL
RNEDAC*PVGTVSAAAPWGSSSILPISWAYIK VSLDPELEEALTSASDTCLC*DLAAILGM+HN LITNTK	1.045	C795	GLDC
AGVTC*IVLPAENKK	1.045	C132,M140	TMOD3
C*DLC*QEVLDIGFVK	1.045	C909 C779 C845 C795 ,C909	LONP1
IIWCPFIPEESED*CEESSPTVALLHEDR	1.045	C159,C162 C97,C100 C101,C104 C109,C112 C134,C137	LIMS1
LTPGCEAEAEAEIC*FFVQQFTDMEHNR	1.045	C248	EDC4
MTGGGFGGC*TVTLLEASAAPHAMR	1.045	C2369 C2367	FASN
AVYTQDC*PLAAAK	1.045	C381 C351	GALK1
EAEVMDAGC*QESAGPER	1.044	C679 C671	AARS
LIGPNC*PGVINPGECK	1.044	C777	POP1
LNEDMAC*SVAGITSDANVLTNELR	1.044	C172	SUCLG1
ILQDDIESLMPVYPTVGLAC*SQYGHIFR	1.044	C74 C74 C74 ,C74 C74 C74 C43 ,C74 C74 C74 C74	PSMA4
	1.044	C120 C120 ,C120	ME2

HFM+ELVTC*GLSK	1.043	M351,C356	MRPS31
SSLQYSSPAPDGC*GDQTLGDLTPTR	1.043	C646	GART
AATEQEPLGTEQTLDAEEEEQEESEEAAC* GSK	1.043	C37	ABT1
DLFGAEPDFPNC*GAADFPPDIQSK	1.043	C264 C161 C149 ,C264 C264 C161 C149 C89	GULP1
IPDPSTWNLNPDASYVYYC*ANETVHGVEFD FIPDK	1.043	C152	PSAT1
EC*SPWMSDFKVEFLR	1.042	C3683 C3683 ,C3683	PRKDC
QEPLGSDSEGVNC*LAYDEAIM+AQQDR	1.042	C23,M31 C23,M31	OTUB1
VFC*VEEEDSESSLQKR	1.042	C368 ,C386 ,C386 C368	RRP1B
TEQLQAVLC*STMEK	1.042	C384 ,C381 C384 C346	WDR18
ERLELC*DER	1.042	C53	UQCRH
NDTPC*GTTIGPILASR	1.042	C413 C431 ,C413 C348 C431	DNPEP
LTEGC*SFR	1.042	C77 C77 C93 ,C77	RPS27,RPS27 L
KC*PFTGNVSIR	1.042	C60	RPS11
LC*PNSTGAEIR	1.042	C377 C240 ,C377	PSMC2
GAQGISC*GR	1.041	C353	EDC3
DLQPFTC*QALVYR	1.041	C404	BOP1
NC*LTNFHGM+DLTR	1.041	C96,M103 ,C96,M103 C59,M66 C76,M83 C59,M66	RPS3A
DFTPVC*TTTELGR	1.041	C47	PRDX6
VEEHTNAIGTLHGGLTATLVDNISTMALLC* TER	1.041	C51 C74	ACOT13
QMSVPGIFNPHEIPEEMC*D	1.041	C1070	XPO1
LWHQLTLQVLDFVQDPC*FAQGDGLIK	1.041	C49	PSMD13
LICC*DILDVLDK	1.040	C98 ,C76 C98	YWHAE
ETTNIFSNCGC*VR	1.040	C356 C292 ,C356	ATXN10
ITFPGCFTNTC*CSHPLSNPAELEESDALGV R	1.040	C85 C56 C85 C142	IDI1
SGLC*SPSYVAVTPFSLR	1.040	C85 C70 C84 C85 C84 C70 ,C85 C70 C84 C85 C84 C70 ,C85 C70 C85 C84 C70	MYC
GEETPVIVGSALC*ALEGRDPELGLK	1.040	C222	TUFM
LVYSTCSLC*QEENEDVVR	1.040	C362 C362 C362 ,C362	NSUN5
TPPLENSLPQC*YQR	1.040	C28 C308	SLC30A7
ELETVC*NDVLSLLDK	1.039	C97	YWHAH
WSSPENAC*GLPSPSTNR	1.039	C487 C464 C470 C464 C505	MAP7D3
LMCSLCHC*PGATIGCDVK	1.039	C87 C87 C87 C87 C87 C87	PHF6
HESAEIFVVC*QGFLAPDKVDSK	1.039	C197	FTSJ3
HQAC*LLLQK	1.039	C1031 C1031 C951	MYBBP1A
FQSC*LSPEEPAPESPQVPEAPGGSVAV	1.039	C178 C100 C88 C55 C110 C112	TSC22D3
LGTDKC*DNSSM+SLQMGYTQGANQSGQV FGLGR	1.039	C229,M234 ,C261,M266 C229,M234 C240,M245	CNN2
AAAGEDYKADC*PPGNPAPTSNHGPDTEA EEDFVDPWTVQTSSAK	1.038	C62 ,C21 C62	WARS
FGSTQEYEAC*FGQFILTPHIM+TR	1.038	C2161,M2172 C2098,M2109	CAD
LCEAIC*PAQAITIEAEPR	1.038	C103 C121 C121	NDUFS8
LCQSFQTFSSIC*YAETGLLGAHFVCDR	1.038	C347	UQCRC1
ELETVC*NDVLSLLDKFLIK	1.038	C97 ,C97 C84	YWHAH

AGAVVAVPTDTLYGLACAASC*SAALR	1.038	C99	YRDC
SC*ANPNVGFQR	1.038	C21 C124 C124 C21	DUSP22
ASPPC*ASPPV/SAPASWDFGV/PQR	1.038	C230	DLX2
ESIQEDLAEAPC*LQGGR	1.038	C1187 ,C945 C1187	INPPL1
TPTSGQSVSTC*SSK	1.038	C87 C87 C175	C18orf21
FSHQASGFQC*DLTTNNR	1.038	C454 C324	MTPAP
NC*LTNFHGMDLTR	1.038	C96 C76 ,C96 C59 C76 C59 ,C96	RPS3A
ADIIVSELLGSFADNELSPEC*LDGAQHFLKD DGVSIPEYTSFLAPISSSK	1.037	C388 C432 C449 C405 ,C449 C405 C449 C405	PRMT5
C*EGDEVEDLYELLK	1.037	C88 C40 C88	DPH6
LQFHDVAGDIFHQQC*K	1.037	C385 C415 C431	G6PD
HGLEVIYMIPEIDCY*VQQLK	1.037	C529 C651	HSP90AA1
LVEALC*AEHQINLIK	1.037	C69 C69 ,C69	RPS12
YEVCDIPQCSEVECMTC*NGESYR	1.037	C209 C214	HGF
DC*QIAHGAAQFLR	1.037	C1018 C1086 C1093 C1018 C1086 C1093 ,C1086 C1093	POLR2B
EQHIAEC*MAK	1.037	C124	GADD45GIP1
AVQADGQVKEC*YQSHR	1.037	C517 C512	PDCD6IP
LEDVENLGC*R	1.036	C329 C329	ANAPC7
ENKPSIIFIDEIDSLC*GSR	1.036	C240 ,C240 C240	VPS4B
VC*VETVESGAM+TK	1.036	C402,M411 C350,M359 ,C402,M411	IDH2
TFFGDDFIPNDILIGC*EEEEQENGK	1.036	C1117 ,C85 C1117	MSH6
LGEVSVESENYVQAVEEFQSC*LNLQEYQL EAHDR	1.036	C229 C570 C568	NASP
HLC*EPGADGAETFADGVPR	1.036	C1468 C1461 C1493 C1496 ,C1468 C1461 C1493 C1496 C1476	CHD4,CHD5
YYAELC*APPGNSDPEQLKK	1.035	C573	PGM2
DYVFIEFC*VEDSKDVNVNFEK	1.035	C20 C20 C24 C20 C20 C24 C20 C20 C24 ,C20 C20 C20 C24	PTGES3
QAFTDVATGSLGQGLGAAC*GMAYTGK	1.035	C133 C133	TKT
LYQVEYAMEAIGHAGTC*LGILANDGVLLAA ER	1.035	C34 C34 C34 C34	PSMA4
DLTTAGAVTQC*YR	1.035	C70 C109 C109 C80 C80 ,C109	RPL18A
C*NYLALVGGGK	1.035	C63 ,C56 C63 C63	WDR45B
TPSYSISSTLNPQAPEFILGC*TASK	1.035	C142 C98 C94	USP10
LMWLFGC*PLLLDDVAR	1.035	C66	PFAS
LINDC*HGSVSEASSEQK	1.035	C1228	LRBA
VDMVPGKPMC*VESFSDYPPLGR	1.035	C411	EEF1A1
ATYDKLC*K	1.035	C59	RPS25
STSQGFC*FNILCVGETGIGK	1.034	C41 C41 C51 C51 C51 C41 C33 ,C41 C41 C51 C41 C33	44450
KETGAASFLC*R	1.034	C28 C28	TPP2
VTEAPC*YPGAPSTEASGQTGPQEPTSARA	1.034	C523	TXLNA
DRVWQIQSCSALTGEGVQDGMNWVC*K	1.034	C174 ,C174 C174	ARL3
VGSSSSSESC*AQDLPVLVGEEGEVK	1.034	C418 C478 C286 C163 ,C478 C286 C163	SCAF11

AC*ISIGNQNFEVK	1.034	C38	MAP2K6
VQYPQSQAC*K	1.033	C633	DYNC1H1
IIATAVC*HTDAYTLGADPEGCFPVILGHEG AGIVESVGEVTK	1.033	C45	ADH5
SNELGDVGVHC*VLQGLQTPSCK	1.033	C75	RNH1
GDFYVIEYAAC*DATYNEIVTLER	1.033	C109 C109 ,C109 C109 C109 ,C109	FXR2
TDC*DIEDDRLAAMFR	1.033	C1334 C1239 C1219 C1297	ACACA
IIPGPMC*QGGDFTR	1.033	C62 ,C62 C62	PPIA
EYIEHC*NTPTTSDSSIAVK	1.033	C653 C701	DNAAF2
LIGQHLNGLGLNQTVDLLMQESGC*R	1.033	C153 C153	WDR26
C*HTPPLYR	1.032	C22	RPL18A
KQVEVDC*QQCMLEILDTAGTEQFTAMR	1.032	C48	RAP1A
TSC*SYCTMAK	1.032	C77 C78	GLRX2
HLGGIPWTYAEDAVPTLTPC*R	1.032	C268	UQCRC1
SC*GSSTPDEFPTDIPGTK	1.031	C105	EIF2S3
NMSVHLSPC*FR	1.031	C116	RPS11
YIIVTQVGPQPILDDPC*AHLLGPDGLPKPA A	1.031	C386	MVD
TDTLGLSCGVGSGNC*SNSSSNFEGLLWS QGQLHGLK	1.031	C689 C706	LAS1L
AC*PQIVTALTLLNR	1.031	C1294	URB2
NHC*VPPYSESK	1.031	C618	DNTTIP2
AQIIELLC*IVEALKK	1.031	C595	CD2AP
HAGSPPGSVEEPSGGGENSPGGGGSPC*L SSR	1.031	C469 C469	DNAAF2
VVLLGEGC*VGK	1.031	C29	RAB21
TTC*SSGSALGPGAGAAQPSASPLEGLLDL SYPR	1.030	C12 C12 C12	CMTM7
VQELGLSAPLTVLPTITC*GHTIEILR	1.030	C431 C431 C431	CBS,CBSL
VEC*VGDDIAWMR	1.030	C325	PCK2
IDPENAEFLTALC*ELR	1.030	C428 C476	IFIT5
LSETISEGTSNSLSTC*TK	1.030	C1690 C1574 C1577 C1689 C1097	ANKRD17
TIC*SHVQNMIIK	1.029	C74 C74	RPL9
MAYQEYPNSQNPEDTNFC*FQPEQVVDPI QTDPFK	1.029	C143 C126	MAP4
IAQLFSISPC*QISQIYK	1.029	C453 C375 C402 C402 C453 C355 ,C453 C375 C402 C402 C453	TFCP2
EVAELEANLPC*TCK	1.029	C26	UBE2F
LTAGEAC*AQGLVTEVPDSTFQK	1.029	C282 C312 C277	ECI2
LAHTYQSPLLYC*DLEVEGFR	1.029	C97 C131	CENPM
LALSTRPSGFLGDPC*LWDQAEQVLK	1.029	C506 C231 C424 C376	TARS2
C*SDNSSYEEPLSPISASSSTR	1.028	C205 C346 C712 C711 C155 C741 C740 ,C205 C346 C711 C712 C741 C740	PHC2
C*EQPFFWNIK	1.028	C290 C290 ,C290	WDFY1
STEFMSSDAELWSFLC*SLK	1.028	C78 C82 C82 ,C82	CCDC71L
DGTGMLYAFPPC*DFSQQYLQSALR	1.028	C859	RBM15B
SHAIAC*VNQFIMDR	1.028	C195 C195 C195	TNPO2

GC*TATLGNFAK	1.028	C229 C131 ,C229 C229	RPS2
ALLLLPVEQGFTFSGIC*R	1.028	C140	NOL9
ERPTPSLNNNC*TTSEDSLVLVNR	1.028	C744 ,C744 C744	EPRS
LSDLQNAAGSFASAFALVLC*PTELVK	1.028	C125	SLC25A15
EMQNLSFQDC*YSSK	1.027	C111	ECHS1
NMITGTSQADC*AVLIVAAGVGEFEAGISK	1.027	C111 C111 C111 ,C111 C111 C111 C111 C111 C111 C111 C111 C111 C111 C111 C111	EEF1A1,EEF1 A2
LLAC*IASR	1.027	C174	RPS8
C*PNPTCENMNFVSR	1.027	C428 C429 C427	FUS
KICALDDNVC*MAFAGLTADAR	1.027	C70	PSMA7
TRDGS DYEGWC*WPGSAGYPDFTNPTMR	1.026	C405 C502 C524 ,C502 C524 ,C405 C410 C502 C524	GANAB
AQTPESC*GSLTPER	1.026	C750 C750 C736 C990 C566 C990 C750	FILIP1L
NEMNC*KEDQFQLSLLAAMGNTQR	1.026	C684	COPB1
LLTC*YVQDYLECVELPHDMQR	1.026	C26	ING2
GLDLSSGLVVTSLC*K	1.026	C138 C109 C149	ARL2BP
LPC*YLVDSGGAYLPR	1.026	C167 ,C167 C167	MCCC2
NVMVSC*VYPSSEK	1.026	C134 C77	PPP4R2
YIFTLGDIAQLC*PARVEK	1.026	C867 C867 ,C867	NCAPD3
SGYAFVDC*PDEHWAM+K	1.026	C44,M51	IGF2BP1
ALNALC*DGLIDELNQALK	1.026	C62	ECHS1
TTGLVGLAVC*NTPHER	1.026	C17 C17 C17 C13 C27 C17 C17 C17 C13 C27 ,C17 C17 C17 C13 C27	NDUFA5
VIGSGC*NLDSAR	1.026	C164 C163 C192 ,C164 C163 C192 C163 ,C163 C192 C164	LDHA,LDHB
SYC*NDQSTGDIK	1.026	C106	HPRT1
STGVVNIPAAEC*LDEYEDDEAGQKER	1.025	C119 C173	PAWR
QFHEAAYLADEREDLLTAINAFLDC*SVVLP SEVQGEELLR	1.025	C608	SLC4A2
YADLTEDQLPSC*ESLKDTIAR	1.025	C153	PGAM1
C*SGVMEFSTSGHAYDTGK	1.025	C36	VDAC3
ALPLC*LHQIAESYFQEEDYEK	1.025	C192 C192 C192 C192 C192 C192 ,C192 C192	CNST
ADC*PPGNPAPTSNHGPDTEAEEDFVDPW TVQTSSAK	1.025	C62 ,C21 C62	WARS
GVLAC*LDGYMNIALEQTEEVYNGQLK	1.024	C36 ,C36 C36 C36	LSM6
YVFNLAELAELVPMYVGIPEC*IK	1.024	C416 C295 C173 C357	BNIP2
LAAQSC*ALSLVR	1.024	C242	DHX9
VC*ENIPIVLCGNK	1.024	C130 ,C108	RAN
LNGGLGTSMGC*K	1.024	C112 C132 C112 C112 C112 C123 C112 C123 C115	UGP2
GPVVLAEDFLDIMQPINPQC*R	1.023	C162	ATP6V1B2
AILQQLGLNSTC*DDSILVK	1.023	C813 C812 C801 C817 C813 C812 C801 C817 ,C813 C812 C801 C817	HK1
CVIC*GGPGVSDAYYCK	1.023	C61	PHF5A
KFYQLAC*R	1.022	C295 C294 ,C295 C295 C294	TMEM209
WTQTLSELDAVPC*VNFR	1.022	C188	NUDC
IQPVHILTSC*SVTSDLDFPTQVIPLK	1.022	C74 C74	EZH2

GC*IVDANLSVLNLVIVK	1.022	C100 C100 ,C100 ,C100 C100 C100	RPS6
VTEAPC*YPGAPSTEASGQTGPQEPTSAR	1.022	C523	TXLNA
AGC*EVTILFADLHAYLDNMK	1.022	C67 C67 ,C67	YARS
VEDGAQQCLDCGLC*FASPGSLSR	1.022	C1143	ZNF687
AQDIEAGDGTTSVVIAGSLDSC*TK	1.022	C120 C120 C120 C120 ,C120 C90 C120 C90	CCT4
IYLCDIGIPQQVFQEVGINYHSPFGC*K	1.021	C499	EDC3
LYDYVC*R	1.021	C27	SYNM
LIIAGTSC*YSR	1.021	C204 C204 C204	SHMT1
IEC*YENSYESLDELDLDRDLSYIK	1.021	C197 C197 C163 C197	PFKFB4
GNFTLPEVAEC*FDEITYVELQKEEAQK	1.021	C648 C629 ,C648 C629 C648 C629 C648 C629 C648 C629	HNRNPU
GFQFVITYSC*VEEVDAAAM+CAR	1.021	C63,M71 C85,M93 C63,M71 C85,M93 ,C63,M71 C85,M93	HNRNPA3
GTHTGWVWVGVSGETSEALSRDPETLVGY SMVGC*QR	1.020	C135 C135	FASN
LLACIASRPGQC*GR	1.020	C182	RPS8
FEFQPHMGDMASQLC*AQQPVQSELVQR	1.020	C357 C357 C356	SRGAP2
KIENLC*AMGFDR	1.020	C170 C119 C109 ,C170 C119	UBE2K
MDSLLIAGQINTYC*QNIK	1.019	C327 C324 C341 C327 C324 C341 C327 C324 C341 ,C327 C324 C341 ,C327 C324 C341 C327 C324 C341	EIF3H
IGEFC*MVYSEVPNFSEPNPEYSTQQAPNK	1.019	C99 C99 C99	NABP2
GNLNFTC*DGNSVISPVGNR	1.019	C24	PWP2
LC*PGGQLPFLLYGTEVHTDTNK	1.019	C59	CLIC1
NQSFC*PTVNLDKLWTLVSEQTR	1.018	C70 C70 ,C70 ,C70 C70 C13	RPL27A
ALSQTVPSSGTNGVSLPADC*TGAVPAASP DTAAWR	1.018	C203 C135 C135 C203	RANBP3
AIELNPANAVYFC*NR	1.018	C129 C129	SGTA
APAALPAC*DLLASAADPQIR	1.018	C42 C42	IPO4
LGDLLISQFSGPSAEQMC*K	1.018	C380 C335 C307 C334	ARHGEF2
SDTATGGESAGHATSSQEPSGC*SDQRPAE DLNIR	1.017	C186	UBXN4
NACDHLSGFNVC*NR	1.017	C83	SF3B6
GLLDVTC*K	1.017	C120 C120	SKP1
HSDGNLC*VK	1.017	C39 ,C39 C39	SRP9
LNFSTPTSTNIVSVC*R	1.016	C108	PFAS
ALDLSSC*KEAADGYQR	1.016	C461 C508	STIP1
KAFC*EPGNVENNGVLSFIK	1.016	C250	YARS
RPYGVGLLIAGYDDMGPHIFQTC*PSANYFD CR	1.016	C154 C148	PSMA1
VAMNVYELSSAAGLPC*EIDPALVVALSSQK	1.016	C975 C969	NCKAP1
GNINIC*LMGDPGVAK	1.016	C202 C378	MCM7
RGEIGLTSEEIGSFEC*SGYVM+SGSR	1.016	C336,M341	NKAPL
LPPIPYPNAPC*FNNVAEYESFLR	1.016	C52	LSM11
DYSNWPTIPQVYLNGEFVGGC*DILLQMHQN GDLVEELKK	1.015	C122	GLRX5

VLSLC*GHEDWIR	1.015	C269 C243 C178 C204 C204 C178 ,C269 C243 C178 C204 C178	ELP2
TGLC*YLPEELAAQK	1.015	C15 C46 C15 C35 C46 C46 ,C46 C46 ,C35 C46 C46	FLII
RAGLGEGVPPGNYGNYGYANSYSAC*EE ENER	1.015	C28 C28 C28 C28	BET1,DKFZp7 81C0425
VTDLVDYVC*NSEQL	1.015	C1405 C1184 C1436 ,C1436	RSF1
AQPPLQLSEVNIPLSLGVC*PLGPVPLTK	1.015	C132 C419 C419 C600	CNOT3
C*PICVPCGLR	1.015	C44	XPO5
LGfSEYc*R	1.014	C721	MCM6
VMIDNETLPVEYLGgKPLc*MnQYYqILSSC R	1.014	C169 C169 C148	CRAT
DETVSDC*SPHIANIGR	1.014	C206 C235 C206 C194 C232 ,C206 C235 C206 C194	CAPZB
SATC*AQVNWEVPLSNGTDVTEYR	1.014	C718 C774	FNDC3A
SHIMPAEFSSC*PLNSDEEVNK	1.014	C226 C207 C207 C115 C115 ,C226 C207 ,C167 C226 C207 C207 C115 C115 C167 ,C226 C207 C207	C11orf54
DLC*NTHLMR	1.014	C1364 C1364	PRKDC
VPTANVSVDLTC*R	1.014	C247 ,C247 C247	GAPDH
LC*DFGVSGQLIDSM+ANSFVGTR	1.014	C114,M126 C211,M223 C181,M193 C207,M219 ,C181,M193 C207,M219 C181,M193 C207,M219 C114,M126 C211,M223 C114,M126 C211,M223 ,C211,M223 C211,M223 C181,M193 C207,M219 C181,M193 C207,M219 ,C181,M193 C207,M219 C31,M43 C114,M126 C211,M223	MAP2K2,MAP 2K1
TKSC*SGVEFSTSGHAYTDTGK	1.014	C36	VDAC3
SVMDATQIAGLNC*LR	1.013	C167 C167 C167	HSPA4
M+KLNISFPATGC*QK	1.013	M1,C12	RPS6
VTTGAPIPC*GADAVVQVEDTELIR	1.013	C419 C465 C452	GPHN
TATAVAHC*KR	1.013	C25	RPS16
NKIEPLGYC*EDAESNR	1.013	C314 C402	PHF3
EQNYC*ESR	1.013	C160	GET4
EEHLC*TQR	1.012	C212 C233 C217 C212 C233 C217 ,C233 C212 C233 C217 ,C212 C233 C217 ,C270 C212 C233 C217	TPM3,DKFZp6 86J1372
VAFQMTPC*PNFYILDEPTNHLDMETIEAL GR	1.012	C622 C628	ABCF3
GTGC*KVPQDVLQK	1.012	C31 C31 C31 C31	SEPHS1
ENC*ILNLLTEK	1.012	C505	NOA1
YQVTWYTSWSPC*PDCAGEVAEFLAR	1.012	C97 ,C97 C97 ,C97 C97 C97	APOBEC3C
ATILC*TSYVQFK	1.012	C42 C81 ,C81	RPA3
AFQHLSEAVQAAEEEAQPPSWSC*GPAAG VIDAYM+TLADFCDQQLR	1.012	C3403,M3414 C3403,M3414 ,C3403,M3414	PRKDC

AAISDSADC*SLSPDVPVLAQFR	1.011	C746 C806 C790 C806 C803 C790 C520 C790 C803 C803 C746 C790 C803 C746 ,C746 C806 C790 C806 C803 C790 C790 C803 C803 C746 C790 C803 C746	PARD3
FSC*EPAGGLTSLTEPPKPGFGVQAGL	1.011	C228 C225	NDUFV2
NVGC*LQEALQLATSFAQLR	1.011	C971 C947	AARS
DVQIGDIVTVGEC*RPLSK	1.011	C131 ,C131 C131	RPS11
YLLQYQEPIPC*EQLVTALCDIK	1.010	C107 C107 C107 C107	PSMA4
C*FGFVTYSNVEEADAAMAASPHAVDGNTV ELKR	1.010	C49	HNRNPA0
HTVFLDDGTVYTC*GCNDLGQLGHEK	1.010	C58 C58 C58	HERC4
NMAPGAVC*SPGESK	1.010	C1296	TNKS1BP1
LVNIVTENC*S	1.010	C292 C322 C191	OTUD6B
KLEC*LPPEPSPDDPESVK	1.010	C349 ,C349 C349	FAF2
GFSAISC*TVEGAPASFGK	1.010	C33 C33 C33 C33 ,C33 C33 ,C33 C33 C33	MVB12A
GYWASLDASTQTTHELTIPNNLIGC*IIGR	1.010	C293 ,C293 C293	PCBP1
SNGLGPVMSGNTAYPVISC*PPLTPDWGVQ DVWSSLR	1.010	C350	PAICS
GEAYNLFEHNC*NTFSNEVAQFLTGR	1.009	C108 ,C108 C108	DESI1
NESLSSLEEGASGSTPPEELPSPSASSLGP ILPPLPGDDSPPTTLCSFFPR	1.008	C59 C59	SHC1
NPLDINPSVDLFDLDC*GLVGPEDVSTEQDLP R	1.008	C1005 C1019 C1019 C1017	ZMYM3
HLESWC*VQR	1.008	C31 C31 C31 C31	NDUFB9
KVQNGAEQDLVQTLSC*LSMIITPAFAELK	1.008	C352 C374 C290 ,C352 C374 C275 C290	STK26
LNSLPSEYESGSAC*PAQTVHYRPINLSSSE NK	1.008	C117 C359 C251 C365 C359 C251 C359 C359 C359	PLEKHA5
LGEMIETAYGENFAC*SK	1.008	C324	THNSL1
NADMSEEM+QQDSVEC*ATQALEK	1.007	M17,C24	DYNLL1
TQLAVC*QQR	1.007	C396	FKBP4
EDC*PLYNGGNIILEYLNDEEQFCK	1.007	C240 C133 C233	ZFAND1
HQALGITVLGSNSMVMQDDAFPAC*K	1.006	C1055 C1029	MAP1S
TTPQSEMGGYYCNVDCD*VVK	1.006	C86 C87	ZMAT2
DKPELQFPFLQDEDTVATLLEC*K	1.005	C29 C49 ,C29 C29 C49 C29 C29	CNP
VVYGGGAAEISCALAVSQEADKC*PTLEQY AMR	1.005	C385 C440 C402 C419 C347 ,C440 C402 C419	CCT5
VVVAENFDEIVNENKDVLIIFYAPWCGHC* K	1.005	C409	PDIA3
STFFNVLNSQASAENFPFC*TIDPNESR	1.005	C55 C75 ,C55 C55 C55 C75 C55 C55 C55 C75 ,C55 C55 C55 C75 C55 C75	OLA1
RNLADC*LR	1.004	C91	PSMB2
VSPEDVEYFNC*QQELASELNK	1.004	C365 C329 C378 C365 C365 C58	CHD2
AHEILPNLVCC*SAK	1.004	C149	CCT8
LLQPDFQPVC*ASQLYPR	1.004	C265 C201 C258 ,C265 C201 C258 C265 C201 C258	DCTN4

QHFIQEEQILEIDC*TM+LTPEPVLK	1.004	C180,M182 C180,M182 ,C180,M182 C180,M182 C180,M182 ,C180,M182	GARS
M+AVGPPDC*PVGGPLTFPGR	1.004	M155,C162 M172,C179 M133,C140	INO80E
IFC*GDLGNEVNDDILAR	1.004	C355 C351 C331 C356 C363 C385	RBM42
LELYGAC*VEEEGALTGGPK	1.003	C149 C186 C199 ,C149 C186 C199 C149 C186 C199	RTKN
ILGENAKPNYGC*QVTIQSEQEK	1.003	C324	ASCC3
FDDLQFFENC*GGGSFGSVYR	1.003	C22	ZAK
GQGVYLGMPGC*LPVYDALAGEFIR	1.003	C157	ERP29
PEALFQPSFLGMESC*GIHETTFNSIMK	1.003	C272 ,C272 C272	ACTG1,ACTB
ANASIC*FAVPDPLMPDPSK	1.003	C106 C81 C95	PRKRA
ETENNVEKPDNDESEVPSLPLGLTGAFE DTSFASLC*NLVNENTLK	1.003	C183	DDX18
GANDFMC*DEMER	1.003	C385	TCP1
LC*DFGVSGQLIDSMANSFVGTR	1.003	C181 C207 C31 C114 C211 ,C211 C181 C207	MAP2K1,MAP 2K2
AFDLIEHYFGTEDEDSSIAPQVDLNQQQYIF QQC*EAPMEGFQL	1.002	C529	KPNA1
EKIEAELQDIC*NDVLELLDK	1.002	C96 C94	YWHAB
VAQLSSTEC*R	1.002	C413	CEP350
LSEAAC*EDEDSASEGLGELFLDGLSTENPH GAR	1.002	C238	TTC4
GRPYGYPAVC*EEDLMPEDDQR	1.002	C323	RBM15B
EIDC*LSPEAQK	1.002	C14 C14 C14 C14	LRRFIP1
DLNC*NPNNK	1.002	C1278 C1286 C1223	TBC1D4
C*DYMDEVTYGELEKEEAQPIVTK	1.002	C602 C602	HNRNPUL2
NLC*SQMSAVSGPLLQWLEDR	1.002	C248 C204 C250 C274 C273 C274 C159 C249	BRCC3
EINDC*IGGTVLNISK	1.001	C197 C197	RSL1D1
GSDFDC*ELR	1.001	C145 C145	HNRNPK
TTMRPQSFYDGSWSC*AR	1.001	C148 ,C131 C131 C131 C148 C131 ,C131 C131 C131 C131 C131 C131 C148 C131 C131	MTAP
LC*NEEQELLR	1.001	C193 C193 C100 C100 C194	CDC16
LGQGC*FGEVWMTWNGTTR	1.001	C286 C280	SRC
DVIC*PDASLEDAKK	1.001	C53	PARK7
ALSGYC*GFMAANLYAR	1.001	C888 C888 ,C888	COPB1
FVC*DPDALFSMAFPDNRPFLLK	1.000	C491 C449	ETV5
EEDLEDKNNFGAEPHQNGEC*YPNEK	1.000	C845 C801 ,C847 C804 C845 C801 ,C804 C845 C801	HSPH1
SNADSLIGLDLSSVSDTPC*VSSTDHDSDTV REQNDISSELQNR	1.000	C174 C174	ZFYVE16
AQC*PIVER	1.000	C87 C66 C66 C87 C66 C66	RPS5
KFLDGNEMTLADC*NLLPK	1.000	C189	CLIC4
IVEDEPNKIC*EADR	0.999	C85 ,C85 C85	CSE1L
VTEEDIVELFC*VCGALKR	0.999	C301 C272 C318	POLDIP3
DKEEEEEVAGGDC*IGSTVYSK	0.999	C25 ,C25 C25 C25	SAAL1
NIC*QLVEIGLAK	0.999	C94 C94 C94 C94 ,C94 C94	EIF1
TQADELPAC*LLSAAR	0.999	C597 C600	ARAF

TQAIVC*QQLDLTHLK	0.999	C201	ABCE1
TPQASTYSYETSDLC*YTAEK	0.998	C2065	MAP1B
AVSPAIPSAPLYEEITYSGISDGLSQASC*PL AAIDHILDSSR	0.998	C428 C428 C406 C406 C467	MGRN1
TC*VPADINKEEEFVEEFNR	0.998	C12	XIAP
LSQERPGVLLNQFPC*ENLLTVK	0.998	C361	TTLL12
EEADQPPSC*GPEDDAQLQLALSLSR	0.998	C205	EPN1
ITVVGQVGMAC*AISILGK	0.998	C36	LDHB
GVLTPNC*EFEANYVAIHTLATWYK	0.997	C316 C316 C316 C316 ,C316 C316 C316	MGEA5
VVPTC*LR	0.997	C371 C225	IRF3
DC*LTQACSALTGK	0.997	C116 C163	ARFRP1
VLILDEATSALDVQC*EQALQDWNRSRGR	0.996	C641 C641 ,C641 C641 C641 C641 C641 C641 C641 C641	TAP2
RVFIMDSC*DELIPEYLNFR	0.996	C366	HSP90AB1
QQLVELVAEQADLEQTFNPSDPDC*VDR	0.996	C162 C234 C234 C234 C223 C234 C84 C180 C162 C234 C234 C234 C223 C234 C84 C180 C162 C234 C234 C234 C223 C234 C84 C180 ,C162 C234 C234 C234 C223 C234 C84 C180 ,C162 C234 C234 C234 C223 C234 C84 C180 C162 C234 C234 C234 C223 C234 C84 C180	API5
SC*AHDWVYE	0.996	C260 C285	NME2,NME1
HMNLILC*DCDEFK	0.996	C47 C43 C43 C43 C43 C43 ,C43 C43 C43 C47 C43 C43 C43	SNRPB,SNRP N
DGDM+HSSSLTVEC*SK	0.996	M480,C489 M485,C494 ,M485,C494	TP53BP1
LIC*CDILDVLDK	0.996	C97 ,C75 C97	YWHAE
VMPFSTAC*NTPLSNFESHQNYK	0.995	C185 ,C185 C185	IARS
C*SVLPLSQNQEFMPFVK	0.995	C616	GARS
YAIC*SALAASALPALVMSK	0.995	C125	RPL4
VLC*ELADLQDKEVGDGTTSVIIAELLK	0.995	C76 C76 ,C76 C76 C76	TCP1
NVC*EQGTSTVDQNFQKQDATVQTER	0.995	C1178 C1183 ,C1183	TP53BP1
GFTDADNTWEPEENLDC*PELIEAFLNSQK	0.994	C69	CBX3
KVAPELM+GTPDGTC*YPPPPVPR	0.994	M1882,C1889 M1819,C1826 M1882,C1889 M1819,C1826 ,M1882,C1889 M1819,C1826	CAD
ITAFVNDGC*LNFIENDEVLVAGFGRK	0.994	C90	RPS23
DILQSCQTSEEC*ELAR	0.994	C475 C274	MINPP1
EATDPRPC*EVENAVESWR	0.994	C111 ,C111 C111 C111 C111 C111	CAPZA2
TFVDFFSQC*LHEEYR	0.994	C215	HSD17B12
IVSGC*PLPEACELYYVNR	0.994	C499 ,C499 C346 C427 ,C499 C346 C427 C499 C346 C427	NAT10
SVNSLDGLASVLYPGC*DTLDKVFTYAK	0.994	C85	ACSL3
LDVGNFSWGSEC*C*TR	0.994	C71,C71	RPS8
QHFIQEEQILEIDC*TMLTPEPVLK	0.994	C180 C180 C180 ,C180 C180 C180 C180 ,C180	GARS

LPVDPAPPC*PR	0.994	C657 C658 C621 C658 C694 C694 C621	EP400
AEPGFEPADC*K	0.993	C161 C184	CEBPB
MEDPGSVLSTAC*GTPGYVAPEVLAQKPYS K	0.993	C179 ,C179 C26	CAMK1
LC*WFLDEAAAR	0.993	C237 ,C237 C237	PGLS
ANC*SDNEFTQALTAAPPESLTR	0.993	C556 C504 C603 C592 C602 C458 C571	IMMT
LNC*STSPEIFR	0.993	C406	LARP6
NGEM+PPEHSPSSSDPMAC*NSPQSPAVW EPQGSSR	0.992	M201,C215	DLX5
LLAVNNVC*LEEVTHEEAVTALK	0.992	C262 C378 C262 C378 C327 C378 C378 C345 C345 C378 C187 C327 C345	DLG1
DCSNGC*SAECTGEGGSKEVVGTFK	0.992	C8 C8 C7 C20 ,C8 C7 C20 ,C8	BCAT1
FAAAYC*R	0.991	C273 C311	PDHA1
APPPVFYKNPPEIDITC*WDADPVPEEEEGF EGGD	0.991	C678 C634 C632 ,C678 C632 ,C678 C634 C632 C678 C634 C632	DBN1
TKPSNLVNTC*IR	0.991	C318 C318 C209 C73	TANK
IIMIGDGATDMEAC*PPADAFIGFGGNVIR	0.991	C187	PSPH
IHWVENYGFDMSC*IK	0.991	C208	PRMT1
DVSSLFPDVVNC*MQTDNLELKK	0.991	C57 C57 C57 C57 C57 C57 C57 C57 C57 ,C57 C57 C57 C57 C57 C57 C57	AP2B1
DIAEPHPC*LMPEYFEPQIK	0.991	C139	PTCD3
C*YEMASHLR	0.990	C128	PFN1
IFVGGIPHNC*GETELR	0.990	C124 C124 C123 C124	DAZAP1
TPQASTYSYETSDLC*YTAEKK	0.990	C2065 ,C2065 C2065	MAP1B
GFLFGPSLAQELGLGC*VLIR	0.990	C83	APRT
AFDTAGNGYC*R	0.990	C223 C223 ,C223	FASN
LPITVLNGAPGFINLC*DALNAWQLVK	0.990	C241 C240	ATIC
FGEVVDC*TLKLDPITGR	0.990	C30 C126 C59 C107 C107 C126 ,C126 C59 C126	HNRNPD
NM+SVHLSPC*FR	0.990	M109,C116 M109,C116 ,M109,C116	RPS11
TEVMALVPPADC*R	0.990	C220	GAMT
KLENTGIEANVLC*LESEISENILEK	0.990	C506 C314 C191	SCAF11
C*NVEPVGR	0.989	C26 C26 ,C26 C26 C26 C26 C26 C26 C26 C26	MDC1
EEQVISLGPQVAEGENVFGVC*HIFASFNDT FVHVTDLSGK	0.989	C31 ,C31 C31	RPS14
EAGQC*FESFLVVR	0.989	C16 C16 C16 ,C16 ,C16 C16 C16 C16	MOV10
VC*NLIDSGTK	0.989	C368 C355 ,C368 C85 C355	ALDH6A1
AAEC*SDFPVPSAEGTPIQGSK	0.989	C5360 C5538 C5034 C5400	DST
DLLSC*NHTVLDPLDR	0.989	C87 C87	SDAD1
DSEDNPQTLIFSATC*PHWVFNVAK	0.989	C310 C378 ,C310 C378 C310 C378	DDX21
NWAC*FTGK	0.988	C136 ,C93 C136	CTSC
AIVDCGFEHPSEVQHEC*IPQAILGMDVLCQ AK	0.988	C74 C75 C75 C75 ,C74 C75	DDX39B,DDX3 9A

TGMLEELHLEPGVVQGLFPC*VDELSDIHTR	0.988	C327 C282 C254 C281	ARHGEF2
TC*QVLEALNVLVNRPN	0.988	C102	UBE2L6
RFPETVVQHGVLGEALLEAETIEEQESPV NC*FR	0.988	C169	INTS10
GPAESPDEGITTEGECEC*EQTPPELEPVE K	0.988	C905	MAP1B
QDPGTDRTEDSGLAAGPPEAAGENFAPC*S VAPGK	0.987	C132	FLYWCH2
FQSSAVMALQEAC*EAYLVGLFEDTNLCAIH AK	0.987	C97	HIST1H3A
IEGC*IIGFDEYMNLVLDAAEIIHSK	0.987	C6 C46	SNRPE
VLSEC*SPLMNDIFNKECR	0.987	C623	COPB1
GDEC*ELLGHSK	0.987	C290	TUFM
C*SIAVDISENLK	0.987	C80 C80	RPP38
C*EFQDAYVLLSEK	0.986	C237 ,C237 C237	HSPD1
C*VVPQTTVILNDR	0.986	C113 C121	BANP
DC*NDTLEEENTNLETPTKR	0.986	C245 C453	PUS3
SQTAC*LPFVLAHAVSR	0.986	C276 C276 C276	EHMT1
FGVIC*LEDLIHEIAFPGK	0.986	C184	RPL7L1
ENFDEVVNDADIILVEFYAPWC*GHCKK	0.985	C206	PDIA4
AYGGSMC*AK	0.985	C83	RPL34
LGTDKC*DNSSMSLQMGYTQGANQSGQVF GLGR	0.985	C261 C229 C240 ,C229	CNN2
SSSSVTTSETQPC*TPSSSDYSDLQR	0.985	C334	VASP
GC*EVVVS GK	0.985	C134	RPS3
YKVEYPIM+YSTDPENGHIFNC*IQR	0.985	M43,C56 M43,C56 M57,C70 M43,C56 M43,C56 M57,C70 ,M43,C56 M57,C70	MGST3
IC*ALDDNVCMAFAGLTADAR	0.985	C63	PSMA7
LM+SANASDLPLSIEC*FMNDVDVSGTMNR	0.985	M277,C290 ,M277,C290 M277,C290 M277,C290	HSPA4
SHC*DANTEMQQILTR	0.984	C516	GNL2
SSC*TLFQDIFQHLDK	0.984	C337 C136	MINPP1
VELPTC*MYR	0.984	C23	AIMP2
FNESGDPSC*VIMQNNWAR	0.984	C472 C436 C490 ,C472 C436	SART3
SIAVAEAAC*PGITDK	0.984	C392 C414 C315 C368 C330 ,C392 C414 C315 C330 ,C392 C414 C315 C368 ,C392 C414 C330	STK26
QIC*LVMLETLQSPQGR	0.984	C163 C163 ,C163	PCBP1
C*KIPNTVEEAVR	0.983	C646	CSTF3
KC*GETAFIAPQCEMPIEWVCR	0.983	C81 C88 ,C81 C81 ,C81	PAICS
TYEQIKVDENENC*SSLGSPSEPPQTLDLVR	0.983	C151 C151	RPRD1A
C*SLSEPLESDEADLAK	0.982	C612	CENPC

		C80 C80 C80 C80 C80 C80 C80 C80 C80 C80 C80 C80 C80 C80 C80 C80 C80 ,C80 C80 C80 C80 C80 C80 C80 C80 C80 C80 C80 C80 C80 C80 ,C80 C80 C80 C80 C80 C80 C80	
YKDEDGDLITIFDSSDLSFAIQC*SR	0.982		TFG
FVESILSNNTTDDHC*QEFVNQK	0.982	C790 C790 C790	HUWE1
MWQSMC*PLR	0.981	C1127	SNRNP200
LNSALC*NR	0.981	C777	BIRC6
RFGWDC*HGLPVEYEIDK	0.981	C87 C87	IARS
EC*PSVLEYK	0.981	C224	PSAT1
AGAGPPPAPPAYDPYGPYC*PGR	0.981	C173 C173 C994 ,C994	PRR12
NEEDIGAGDQGLMFGYATDETEEC*MPLTIV LAHK	0.980	C149	MAT2A
THSFENVSC*HLPDSR	0.980	C1105 C1154	DENND4C
NCGC*LGASPNLEQLQEENLK	0.980	C34	RARS
SLHDALC*VVKR	0.980	C397	TCP1
LGGTIDDC*ELVEGLVLTQK	0.980	C221 C191 ,C221 ,C221 C191 C221 C191	CCT4
GAFC*DLVWSDPEDVDTWAISPR	0.980	C229 C170 C192	PPP6C
AGLLPC*PEPTIISAILK	0.979	C484 C425 C484	CEP97
VAEVC*SSNTCALSGLTR	0.979	C270 C296	RAB3IL1
HMNLILCDC*DEFK	0.979	C49 C45 C45 C45 C45 C45	SNRNPB,SNRPN
NIC*QFLVEIGLAKDDQLK	0.978	C94 C94	EIF1
ALQEC*PNSGILWSEAIFFLEARPQR	0.978	C807 C767	PRPF6
ENQWC*EEK	0.977	C160 C160 ,C160	SKP1
GIFGFTSDC*IGK	0.977	C274 ,C233 C274	WARS
ISSINSISALC*EATGADVEEVATAIGMDQR	0.977	C241 C174 ,C144 C241 C174 C144 C241 C174 C144 C241 C174 ,C144 C241 C174 C144 C241 C174 C144 C241 C174 C144 C241 C174	UGDH
MIHSLFLINC*SGDIFLEK	0.977	C10	AP3M1
VVGC*SCVVVK	0.977	C106	RPS12
HPQAVAAVLPAGGC*GER	0.976	C56 ,C56 C56	ISPD
NLQTCMEVLEALYDGLGDC*K	0.976	C817	NAA15
ALNSASTSLPTSC*PGSEPVPHTHQGQPAL ELK	0.976	C502	TACC3
C*ELSSSVQTDINLPYLTMDSSGPK	0.976	C317	HSPA9
GGPPC*KPPAPEDEDEAWR	0.976	C425 C437 C437 C437 ,C425 C437	PRRC2A
YEDIC*PSTHNMDVPNIKR	0.976	C73 C73 C103 C73 C73 ,C103 C73 C73 C54	EIF5A2,EIF5A L1,EIF5A
SQQGSFNGEDIC*GYINR	0.976	C983 C939 C615	ESPNL
AVLHPTGPLYC*PEEK	0.976	C175 C175 C175 C154 C175 C175 C175 C175	RHOT1
LALEQQQLIC*K	0.975	C69 C69	CHERP
DINTEQQQNVLEILQDC*FEK	0.975	C41	CENPC

EGLLLWC*QR	0.975	C154 C154 C154 C154 C173 C168 C211 ,C154 C154 C154 C89 C154 C173 C211	ACTN4,ACTN1 ,ACTN3
LC*YVALDFEQEM+ATVASSSSLEK	0.975	C917,M927 ,C917,M927 C917,M927	POTEF
SQNLPKPLTEFFSPAEQPTC*K	0.975	C133 C174 C133 C174 ,C133 C137 C174 C133 C174 C214	UBXN8
DGSDYEGWC*WPGSAGYPDFTNPTMR	0.975	C405 C502 C524 ,C502 C524 ,C405 C410 C502 C524	GANAB
LNLPINIIGLAPLC*ENM+PSGK	0.975	C304,M307 C335,M338	LAP3
TIIPILISQC*TPK	0.975	C212	MDH2
AEC*TEESIVEQTYAPAECVSQAIDINEPIGN LKK	0.974	C22	GABPA
C*M+YPFIAQR	0.974	C320,M321	RDH10
ILRGQDHC*GIESEVVAGIPR	0.974	C319	CTSB
SILPFEAVVC*MYR	0.974	C310 C310 C310 ,C310 C310 ,C310	RDH10
YPNC*PTDVR	0.974	C421 ,C421 C347 C337	ORC4
LVSSPCC*IVTSTYGWTANM+ER	0.974	C590,M602 C590,M602 ,C590,M602	HSP90AB1
C*DNSSMSLQM+GYTQGANQSGQVFLGR	0.974	C229,M238 ,C261,M270 C229,M238 C240,M249	CNN2
LVTSPC*CIVTSTYGWTANMER	0.973	C597 C719 ,C597 C719 C597 C719	HSP90AA1
AHQLVM+EGYNWC*HDR	0.973	M245,C251 M245,C251 ,M245,C251 M245,C251 M83,C89	PPP2CA,PPP 2CB
SFC*QTLQYASNK	0.973	C78	RLF
VAWSPC*GNYLASASFDATTCIWK	0.973	C72 C72	CIAO1
TGSQGC*QVVR	0.971	C27	RPS28
DINAYNC*EEPTEKLPFIIDDR	0.971	C91	PRDX6
LPSVLISVSTLLEADLGQHC*R	0.971	C1132	URB2
DLAVVTQSAEAPAEEDLLGPNC*YYDK	0.970	C310 C230 C310	LSM14B
DGSC*GVAYVVQEPGDYEVSVK	0.970	C2253 C2293 C2285 C2266 ,C1961 C2253 C2293 C2285 C2266	FLNA
YIQDIYSC*GEIVEHLEESTAFR	0.970	C500 C382 C500 C382 C500 C382 C500 C382 ,C500 C382	CDC23
LFDDPDLGGAIPLGDSLPAAC*ESGGPTP SLSHR	0.970	C287 C106 C81 C80 C40	HS1BP3
AQKIDPENAEFLTALC*ELR	0.969	C428 C476	IFIT5
FFACAPNYSYAALC*ECLRR	0.969	C511	NUDCD1
ASFVTCPC*YGFQNTSK	0.969	C540 ,C540 C453	GSTCD
IVGYFVSGC*DPSIMGIGVPAISGALK	0.969	C232 C284 C287 ,C284 C287	ACAA2
VADPVDSSNLDT*GSIQVIEQLPQPNR	0.969	C106 ,C101 C106	TP53BP1
RTC*ETGEPMEAESGDTSSGPAQVYLPGR	0.969	C11	GRWD1
GLPWSC*SADEVQR	0.969	C22 C22 ,C22 C22 C22	HNRNPH1
DC*ALTVALR	0.969	C172 C202 C71	OTUD6B
AC*SQPEATPSPGPHR	0.969	C52	PTMS
SGSAAQAEGLC*K	0.969	C21 C21 C21 C19 C20	ALG3
IQHSITAQDHPQTPDSC*IISMVVGQLK	0.969	C80	NUTF2

ATSAC*APISSPK	0.968	C682 C417 C363 C363 C417	AGAP1
KITIADC*GQLE	0.968	C161	PPIA
LIIETKPC*VPVSMK	0.968	C4321 ,C1812 C945 C403 C1805	ANK3
DFTQPFHCTDDSPDPC*IEYELVLR	0.968	C159 C159 C127	CDC123
GALGSPVAAAGAAMQESFGC*VVANR	0.968	C22 C22	HABP4
LQLQNPPAIHGSVSGSC*Q	0.968	C355 C339 C288 C248 C283	DSN1
TDFYDQC*NDVGLMAYLGTITK	0.967	C283 C282	COPS6
SYAQSQGWWTGEGEFNFSEVFPVEDHLD C*GAGK	0.967	C235 C255	SCRN1
GEFYVIEYAAC*DATYNEIVTFER	0.967	C50 C99 C86 C99 C50 C99 C86 C99 ,C50 C99 C86 C99	FXR1
LYGIQAFK*K	0.967	C108	GRPEL1
HGGEDYVFSLLTGYC*EPPTGVSLR	0.966	C219 C219 ,C219	CYC1
IEC*SDNGDGTCSVSYLPTKPGYFVNILFEE VHIPGSPFK	0.966	C1087 C1087 C1087 C1087 C1087 C1087	FLNB
NSNTVYC*K	0.966	C305	SPRY1
GWVFTPGVDDAESEC*GLDNFGDFDWWIEN HGVEQR	0.966	C156	PMVK
C*DTEFPNFK	0.965	C503	RPA1
YSEEANLIEEC*EQAER	0.965	C131	ERO1A
AGLPCQDLEFVQFHPTGIYGAGCLITEGC*R	0.965	C311 C311 C263	SDHA
DAGYEFDIC*FTSVQK	0.965	C55	PGAM1
VM+SNLVEHNGVLESEAGQPQALGSSGTC* SSLKK	0.965	M584,C610	RRP1B
IPDIVLWPTC*HDDVVK	0.965	C214	AGPS
AKVDEFPLC*GHMVSDEYEQLSSEALEAAR	0.965	C49 C49 ,C49 C49 C49 C49 ,C49	RPL10
AVTDSINQLITMC*TTQAPGQK	0.964	C1353	TLN1
M+TGESEC*LNPSTQSR	0.964	M1175,C1181 M1206,C1212	SLK
DSLLDTSSVSEPNVSVSHC*ADSNVSGDIAVI EEVR	0.964	C570 C570 ,C570 C570 C570 C570	GTF3C1
IADFLNSFDMSC*R	0.964	C43 C43	BRK1
NSSAQAFGLPENPEEPYLDGINYNC*VAPG KR	0.963	C1093 C1115	SMC1A
VNQAIWLLC*TGAR	0.963	C176 C155 C155 ,C176 C155 C155 C176 C155 C155	RPS5
YSLADQTSQDQSPLPPC*TPTPPC*AEMR	0.963	C563,C569 C567,C573	PTPN11
VFIMDSC*DELIPEYLNFRGV	0.962	C366	HSP90AB1
KSPSSDSWTC*ADTSTER	0.962	C359 C306 C351 C285	ARFGAP1
GLYGIKDDVFLSVPC*ILQNGISDLVK	0.962	C293 C322	LDHA
QILLGIQELLNEPNIQDPAQAEAYTIYC*QNR	0.961	C138	UBE2I
DRFQLTDC*QIYEVLSVIR	0.961	C143 C179	DPYSL2
C*WMDALELALK	0.961	C255 C240 C230 C255 C213 C255 C240 C230 C255 C213 ,C255 C240 C230 C255 C213	OSBPL8
LC*AAAASILGKPADR	0.960	C38	DDT
IQHPSNVLHFFNAPLEVTEENFFEIC*DELGV K	0.960	C521	HNRNPL
C*ANLFEALVGLK	0.960	C39	ABRACL

YGDLSSSLISFGPC*QTPTLGFCVER	0.960	C217 C217 C217 C217	TOP3B
IVGIGYNGM+PNGC*SDDVLPWRR	0.960	M67,C71 M56,C60 M56,C60 ,M67,C71 M56,C60	DCTD
NSAPCVIFFDEVDALC*PR	0.960	C687 C581 ,C687 C498 C490 C581 C596	NVL
HAC*VPVDFEEVHVSSNADEEDIRNAIM+AIR	0.960	C81,M105 C23,M47 C58,M82 C81,M105 C81,M105	IDH3G
AC*DEFQPLGDIMK	0.960	C594 C567 C595 C573 C567	GIGYF2
SSLC*PEVPVPFSSPPAAAK	0.959	C275 C104	ZNF398
HMAAASAEC*QNYAK	0.959	C1213 C1216 C740 C783 C557 C1216	RRBP1
FRCPEALFQPSFLGMESC*G	0.959	C272 ,C272 C272	ACTG1,ACTB
MKGNFTLPEVAEC*FDEITYVELQK	0.959	C648 C629	HNRNPU
TC*SDDVVDFYFK	0.959	C146	NSUN5
IAAESSENVDC*PENPK	0.958	C620 C644 C588	LRRFIP1
TNHIGHTGYLNTVTVPDGLSC*ASGGK	0.958	C207	RACK1
CENCDC*LQGFQLTHSLGGGTGSGMGTLI SK	0.958	C476 C129	TUBB3
GALPEGITSELEC*VTNSTLAAIIR	0.958	C28 C28	WASF3
QC*QTSALFQFAEISSNTSQLGGAEPVKR	0.957	C265 C265 C265	BBX
TYAIC*GAIR	0.957	C56 C56 C56 ,C56 C56 C56 C56 C56 C56 ,C56 C56 C56 C56 C56 C56 C56 C56 C56	RPS21
IADISQVYTTQNAEMRPLGCC*MILIGIDEEQG PQVYK	0.957	C118 C137 ,C118 C137 C137	PSMA6
ISEVFDG*WFEESGMPYAQVHYPFENKR	0.957	C526 C526 ,C526 C526 C526 C526 ,C526	IARS
C*ELENQCQPFVETLHGK	0.957	C100	PPAT
LRPLSYPTDVLIMC*FSIDSPDSLENIPEK	0.957	C83 C83 C83	RHOC
QPC*PSESDIITEEDKSK	0.957	C204 C204 C204 ,C204	PSIP1
IWNVIYEENC*FKPQTIK	0.957	C208 ,C208 C208	ERO1A
VLMVEEPSMNLEWLYGC*PPPYHTFEPPVY	0.956	C498	MT
LNISFPATGC*QK	0.956	C12 C12 ,C12 ,C12 C12 C12	RPS6
LIQQVAQEIWVC*EK	0.956	C586 C586	ABCF2
C*SDWASAVEEDEMR	0.955	C80 C72 C72 C33 ,C72 C72	SLBP
TPTLTSIYC*R	0.955	C204 C204 C204 C204 C204 C204 C204 C204 C204 C204 C204 C204 C204	PML
FMPVIQDNPSGWGPC*AVPEQFR	0.955	C19 C19 C19 ,C19 C19 C19 C19 C19 C19	EIF3D
LSC*QNLGAVLDDVPVQGFFK	0.955	C361	PDCD11
ALLVTASQC*QQPAENK	0.955	C92 C93 ,C93 C93 C93 C92 C93 C93 C93 C93 C92 C93 ,C93	CAP1
RDGWPAMC*IHGDK	0.954	C447 C447	DDX17
NCAVSC*AGEKGGVAEACPNIR	0.954	C141 C141	TBCE
YGAVDPLLALLAVPDMSSLAC*GYLR	0.954	C223	KPNA2
LDQEDALLGSYPVDDGC*R	0.954	C83 C66 C83 ,C83 ,C83 C32 C32 C66 C32 C32 C83	TBCB
ATVAPEDVSEVIFGHVLAAGC*GQNPVR	0.954	C65 C94 ,C65 C94 C65 C94	ACAT2
TLHYEC*IVLVK	0.953	C76 C89	NUDT5

EGYTSFWNDC*ISSGLR	0.953	C84 ,C84 C70	GOLPH3L,GO LPH3
LC*LNIC*VGESGDR	0.953	C20,C24 C21,C25 C19,C23 ,C20,C24 C21,C25	RPL11
LNNLIC*DESDVKDLAFK	0.953	C361 C362 C361 C361	ELP4
LSLDGQNIYNACC*TLR	0.953	C251 C282 C251 C251 ,C251	PTBP1
VPADTEVVC*APPTAYIDFAR	0.953	C42 C79	TPI1
KTPC*GEGSK	0.953	C70 C70	RPS20
GGPSGAGSGAGPAPELALPPC*GPR	0.953	C173	CCDC85B
GNFTLPEVAEC*FDEITYVELQK	0.953	C648 C629 C648 C629	HNRNPU
INEIVYFLPFC*HSELIQLVNK	0.952	C577 C371 C542 C513 C572 C527	CLPB
NQISPFISQMC*NMLGLGDMNADQLASK	0.952	C188 C205	ASNA1
DIC*ACAATGTGK	0.952	C259 C70 C228	DDX27
FC*ACPEEAHALELR	0.952	C64 C64 C64	SARS2
AHSNPDFLPVDNC*LQSVLGQR	0.952	C798 C703 ,C798 C703 C798 C703	STRIP1
DSGAALGLGIALHSPC*YAQVR	0.952	C269 C233	G6PC3
ATDYPC*LLILDQNEFETLR	0.952	C145 C145 ,C145	TBC1D13
GNFESASGPLC*GFNPGPCEPGAQHR	0.952	C667 C623 C299	ESPNL
VSC*LGVTDDGMAVATGSWDSFLK	0.951	C317 C273 C217 C317 C273 C217 C317 C217 C317 C217 ,C317 C317 ,C317	GNB2,GNB1
C*GETAFIAPQCEM+IPIEWVCR	0.951	C81,M93 C88,M100 ,C81,M93	PAICS
IPDWC*SLNNPPLEMMFDVGK	0.951	C120 C388	ACTR10
VC*ISILHAPGDDPM+GYESSAER	0.950	C89,M101 C61,M73	UBE2G2
C*IPALDSLTPANEDQK	0.950	C447	HSPD1
TPSVSAPLALSC*PR	0.950	C305 C305	LIMD1
GVILTSDRPGVFSAGLDLTEMPC*GR	0.950	C114 C114 C55 C55 ,C114 C114	ECI1,DCI
KLNSEYSMAETLVGTPYYMSPELC*QGK	0.949	C223	NEK9
C*LPPPSIR	0.949	C438	SPTLC1
LGPGRPLPTFPTSEC*TSDEVDPDR	0.949	C73 C73 ,C73 C73 C73 C73 , C73 C73	DDX54
C*SSFMAPPVTDLGELR	0.949	C127 ,C127 C127	CPOX
HEASDFPC*R	0.949	C32	PTPN1
SC*YEDGWLIK	0.949	C138	GCSH
LVMEYLAIC*DECYITEMEMLLNEK	0.949	C522 C522	GARS
FAC*NGTVIEHPEYGEVIQLQGDQR	0.949	C69 C69 ,C69 C69 C69	EIF1B,EIF1
QVHC*EEFIPEFEKQYPEFPWTDVQAEIFR	0.948	C528	TTLL12
RLDEDLAAYC*R	0.948	C91 C91 C74 C111 C91 C91	CNP
MHC*PTVPDEK	0.948	C146 C146 C146 C146 C146 C96 ,C146 C146	METTL8
VNFCPLPSEQC*YQAPGGPEDR	0.947	C54	TRIP6
AIVDALPPPC*ESACTVPTDVK	0.947	C270	PPA1
VCEDLDTSVNLAWTSGTNC*TR	0.947	C227 C227 C227 C227 C227 C227 C227 C227 ,C227 C227 C227 C227 C242 C242 ,C227 C227 C227 C227 C227 C227 ,C227 C227	VDAC2
ADFNLADFEC*EEDPFDNLELK	0.947	C161 C225 C161	UBAP1
DSSSLSSC*TSGILEER	0.947	C243 C313	CDC42EP4

ATGRPEC*FLTIQEGLASK	0.947	C27 C27	MPHOSPH10
FHC*DPTFWAK	0.947	C461 C461 C461 C198	TRIM33
IC*DGIFYTPQYLNPSVISLLK	0.946	C238 C253	PRKAA1
IYDSPC*LPEAEAMFAINADGVGDAKD	0.945	C319 C222 C320	RAD51
LSSLSSQTEPTSAGDQYDC*SR	0.945	C1590	KIAA1671
LDADIHTNTC*R	0.944	C442 C415 C387	EEFSEC
TGTQEVGGQDPGEAVQPC*R	0.944	C443 C443 ,C443 C443 C391	OGFR
C*YVQPQWVFDVSVNAR	0.944	C391 C374 C252 ,C391 C374 C386 C252 ,C391 C374	PES1
HCEC*AEEGTR	0.944	C942	CAND1
GMDGFC*SR	0.944	C498 C498	ERAP1
ICQTYGLRPC*STNPYITLSPQDINTK	0.944	C644 ,C601 C644	ACTN3
QIC*SC*DGLTIWEER	0.944	C244,C246 C225,C227	CCS
SPAAEC*LSEK	0.944	C573 C520 ,C520	TRAP1
NPQITC*TGFDRLNLYLEVR	0.943	C727	WRN
VLQSEFC*NAVR	0.943	C47 C47	LIN7C
TAGC*VTGGEEIYLLCDK	0.943	C261 C262	NFKB1
VDC*TAHSDVCSAQGVR	0.943	C121	TXNDC5
C*GNQAAIMELDDTLK	0.943	C269 C269 ,C269 C215 C269 C107 C12	PPP2CA,PPP 2CB
LREC*LPLIIFLR	0.942	C41	RPS4X
FFSLSSVDKLEQIYEC*TDTEVCIVER	0.942	C70 C52	WIPI2
APSSDEEC*FFDLLTK	0.942	C474 C497 C475 C497	GPSPM1
SC*LLLQFTDKR	0.942	C21 C21 C21 C21	RAB2B,DKFZp 313C1541,RA B2A
SRGFGFVYISC*VEEVDAAMCAR	0.942	C63 C85	HNRNPA3
IEPEPFENC*LLRPGSPAR	0.941	C409 C298	GSS
KITAFVPNDGC*LNFIENDEVLVAGFGR	0.941	C90 C90 C90 ,C90 C90	RPS23
TGC*ETVDAVQER	0.940	C630 ,C536 C630 ,C536 C630 C396 C416 C526 C499	SUN1
NSNSLFTLDELIDQDDC*ISHSEPK	0.940	C1654 C1654 ,C1654	ZNF638
IVGIGYNGMPNGC*SDDVLPWR	0.940	C71 C60 ,C71 C60 C60	DCTD
NYVTVM+QNNPLTSGLEPSPQC*DYIRPSL TGK	0.940	M186,C202 M250,C266	NCK1
MVSDINNAWGC*LEQVEK	0.940	C370 C370 C370 C305 C370 ,C370 C370 C370 C370	ACTN1
VCLEFQDC*GVGLNAAQFK	0.939	C31 ,C31 C31	RPP14
SHIM+PAEFSSC*PLNSDEEVNK	0.939	M219,C226 M200,C207 M200,C207 M108,C115 M108,C115 ,M160,C167 M219,C226 M200,C207 M200,C207 M108,C115 M108,C115 M160,C167 ,M219,C226 M200,C207 M200,C207 ,M219,C226 M200,C207	C11orf54
GRVEDVVVSDC*R	0.939	C128	GNPNAT1
KAGSC*QQGSGPAASAATASPQLSSEIENL MSQGYSDIQK	0.939	C840	CBL
SQETEC*TYFSTPLLLGKK	0.939	C285	MDH2
EALC*DPTVASR	0.939	C258	PELO

LPSLPLVQGELVGGGLTC*LTAQTH	0.939	C213 C223	MRPL10
LLLAGYDDFNC*NIW DAMK	0.939	C294 C250 C194 ,C294	GNB2
VALAEAC*R	0.939	C150 C150	TPP2
SSYL NIVGLVGSIDNDFC*G TDM+TIGTDSAL HR	0.938	C170,M174 C170,M174 C241,M245 C170,M174 C170,M174 C241,M245 ,C170,M174 C241,M245	PFKM
TGEPC*VAELTEENFQR	0.938	C258 C258 C258 C107 C258 C258 C258 C107 C258	ERC1
VVFAELAC*REPDVLILDEPTNNDIESIDALG EAINEYK	0.938	C720 C509 C758	ABCF1
NM+ITGTAPLDGC*ILVVAANDGPMPQTR	0.938	M137,C147 ,M137,C147 M137,C147	TUFM
EC*PAIDYTR	0.938	C155 C87 C98 C119	MOB4,HSPE1
TLC*GTPTYLAPEVLVSVGTAGYNR	0.937	C428 C385 ,C428 C164 C129 C294 C356 C385 C428 C164 C129 C294 C356 C385 ,C428 C164 C294 C356 C385 C428 C164 C294 C356 C385	CHEK2
GGC*VQQATGWR	0.937	C1057 C535 C925 ,C1057 C925	RBM6
VENAC*YALK	0.937	C257	TSNAX
ITAFVPNDGC*LN FIEENDEVLVAGFGR	0.937	C90 C90 C90 C90 ,C90 C90	RPS23
LEDPDPGVQSAAVNVIC*ELAR	0.937	C208 C208 C208 ,C208 C208 C208 C35	AP3D1
TEEPPRDFDPALLEFLVC*PLSK	0.937	C60	PYURF
LHGGFSDC*SEDGEALNGEPELDLTSK	0.936	C46 C46 ,C46	GTPBP1
VLLSIC*SLLCDPNPDDPLVPDIAQIYK	0.936	C107 C69	UBE2D1
EAGC*SSETGLLPGSIFAPSGANSLDDMASK	0.936	C107	CWC25
RPVVVEPISDEDWYLFC*GDTVEILEGK	0.936	C58 C58 C58 C58 C58 C58 ,C58 C58 C58 C58 C58 C58 C58 C58	MRPL24
SINNDTTYC*IK	0.936	C100	LACTB2
KYEDIC*PSTHNM+DVPNIK	0.936	C103,M109 C73,M79 C73,M79 C54,M60 ,C73,M79 C73,M79 C103,M109 C73,M79 C73,M79	EIF5A2,EIF5A L1,EIF5A
GFSDENTWEPEENLDC*PDLIAEFLQSQK	0.935	C60 C60 C60 C60	CBX1
VEDVVVSEDEC*R	0.935	C128	GNPNAT1
ALLIDEVCC*QNDGPHSALYTM MK	0.934	C904 C846 C983 C981 C793 C925 ,C904 C983 C981	PUM2
LILDVFC*GSQM HFVR	0.934	C446 C476 C492	G6PD
VWQIQSCSALTGEGVQDGMNWVC*K	0.933	C174	ARL3
LC*QPEGIHICDGTEAENTATLT LLEQQGLIR	0.933	C55	PCK2
WNSPAEEGSSDC*EVFSK	0.933	C417 C417 C417 ,C417 C417 ,C417	HSPA4
IETELRDIC*NDVLSLLEK	0.933	C94	YWHAZ
NSPLPNC*TYATR	0.933	C275 C340 C350	TJAP1
MEPLGLEGLNMLS DPC*ALLPDPAVEESFR	0.932	C355 C675	CRTC2
NDITAWQEC*VNNSM+AQLEHQAVR	0.932	C106,M111	BCAS2
GC*AVVEFK	0.931	C114 C114	HNRNPM

ILVGYPPEC*LDLSNGDTILEDLPIQSGDMLII EEDQTRPR	0.931	C53 C97 C53 C97 ,C53 C97	YOD1
C*DPSTPAPASSAALNR	0.931	C369 C267 C243	DCP1B
LVTTFPEGCESVAGFLAC*VPR	0.931	C181	PDF
ALSVGNIDDALQC*YSEAIK	0.931	C26 C73	STIP1
ECLVCTGC*QTPLAGQQFTSR	0.930	C191	FHL3
NGQVCFSTQDHKPC*NPR	0.930	C172 C172 C172 C172 C172 C172 ,C172 C172 C172 C172 C172 C172 C172 C172 C172 C172 C172 C172	PPM1B
IC*FELLELLK	0.930	C1059 C75 ,C1059	SF3B1
YMLDC*R	0.930	C229 C230 ,C230 C229	VDAC3
TVEIC*PFSFDSR	0.929	C536 C572	TPX2
YNFHGTAEQDLPC*K	0.929	C31	CSK
FTC*EMFHPNIYPDGR	0.929	C75 C47	UBE2G2
SIKDTIC*NQDER	0.929	C509 C462 C456 ,C509 C462 C351 C456	CORO1C
EGENTQVAEPEAC*DQMYESLAR	0.929	C53 C53	UQCC2
IEQEFLTEALPVGLIGMNC*ILMK	0.928	C336 C225 C351 C67 C279 C227	RRM2B
ERIC*SEEER	0.928	C142 C112 C112	CHCHD3
VVVLMSGTSDLGHC*EK	0.928	C281 C281 ,C281 C288	PAICS
VESDVITLDGLNENAVVC*SER	0.928	C436 C436 C436 C436 C436 C394	ALMS1
GELLGC*FGLTEPNSGSDPSSMETR	0.928	C176 C176 ,C176	GCDH
IIMC*AWNPR	0.928	C180 C97	TYMS
VAAAESMPLLLLEC*AR	0.928	C733 C751 C735 ,C733 C751	IPO5
AAPSSGQIYGSGPQGYNTQPVPVSGQC*P PPSTR	0.928	C240 C262	LPP
SLESC*PGETVVAEDPAGLKVPLLLHQB	0.927	C553 C553	TTF2
EPSQVIFC*NR	0.927	C77 C24 ,C77 C77 C24	VHL
GVSQTGTPVC*EEDGDAGLGIR	0.927	C1375 C1380 ,C1380	TP53BP1
AAAGAC*TPPCT	0.927	C461	NSUN5
IYSLSC*GK	0.927	C16 ,C16 C16	NOL10
MQPQQVINC*AIVR	0.926	C64	VASP
KIDQSEFEGFEYINPLLSAEEC*V	0.925	C595	PRKCI
FSIQTMC*PIEGEGNIAR	0.925	C205 C205 ,C136 ,C205	AIMP2
IMELLQVVPSC*VASLDDVAETDRK	0.925	C899	ANKRD27
QAHL*VLASNCDEPMYVK	0.925	C50	RPS12
SIC*TTVLELLDKYLIANATNPESK	0.924	C94	YWHAQ
GVLFGVPGAFTPGC*SK	0.924	C100 C48	PRDX5
DLEAADAALQAGNGEEEEILPHC*NLQVFTY TCDVGKR	0.924	C108	RDH10
HTGCC*GDNDPIDVCEIGSK	0.924	C114	PPA1
EKMDSC*IEAFGTTK	0.924	C200 C138	POLR1E
SFDSMISTNC*TELENAGVEVLK	0.924	C278 C278 C235	GSR
LICC*DILDVLDKHLIPAANTGESK	0.924	C98 ,C76 C98	YWHAE
TLLLTPVGAHLTNESVC*EIMQSCFR	0.924	C158 C158 C158	GBF1
ELLQDGC*YSDFLNEDFDVK	0.923	C64 C64 C64 ,C64 C64 C64 C33	COG5
C*TYLVLDEADR	0.922	C319 C319	DDX17

LLEEEGVSLPDLEPAPLDSLCSGASAEPT SHR	0.922	C198 C300 C57	NARFL
EQEMQEC*TTQIQYLK	0.922	C90 C90 C90 ,C90	WTAP
FC*DNVWTFVLNDVEFR	0.922	C33 C68	GTF2A2
SEPSSPC*SSSSLSESSR	0.922	C92 C95	ATF6B
IC*PVETLVEEAIQCAEK	0.922	C213	ECHS1
EVIGGLC*SLANIPLTPETQR	0.921	C29	TFAP4
AQLNIGNVLPVGTMPGTVCC*LEEKPGDR	0.921	C115 ,C115 C115	RPL8
C*FGFVTYSNVEEADAAMAASPHAVDGNTV ELK	0.921	C49	HNRNPA0
TFPLAHSPAEC*EDQLDAQER	0.921	C986 C1049 C1050 C986 C1050 C381 C986 C1050	KANSL1
C*QNALQQVVAR	0.920	C602 C620	GFPT1
NPSTVCLC*PEQPTCSNADSR	0.919	C44 ,C44 C44	C8orf33
DVAWAPSIGLPTSTIASC*SQDGR	0.919	C237 C280 C220 C234	SEC13
TNMLLQLDGSTPIC*EDIGR	0.918	C419 C419	PMPCB
LLMMAGIDDC*YTSAR	0.918	C222	RPS2
C*GFSELYSWQR	0.917	C91	IARS2
VVVVDDLLATGGTMNAAC*ELLGR	0.917	C140	APRT
IIC*DGSASMQAR	0.917	C178 ,C128 C178	IFRD1
TGQATVASGIPAGWM+GLDC*GPSSKK	0.917	M312,C316	PGK1
TQEDEEEISTSPGVSEFVSDAFDAC*NLNQE DLRK	0.916	C283	SYAP1
TSYGWIEIVGC*ADR	0.916	C461	GARS
TFVGTPC*WMAPEVMEQVR	0.916	C237 C218 C191 C191 ,C191 C191 C237 C218 ,C237 C218	STK39,OXSR1
VQEFNNC*LNR	0.915	C712 C712	PEAK1
ALVVDNGSGMC*K	0.915	C17 C18	ACTB,ACTBL2
HTVFLDDGTVYTCGC*NDLGQLGHEK	0.915	C60 C60 C60 C60 ,C60 C60 C60	HERC4
EAGDVC*YADVYR	0.914	C148 C148 C148 C148	SRSF1
M+AYQEYPNSQNWPEDTNFC*FQPEQVVDP IQTDPFK	0.914	M125,C143 M108,C126	MAP4
FC*EVIPGLNDAENLLR	0.914	C107 C181 C235 ,C235	ISYNA1
AFDC*PSSFQIHER	0.914	C404 C375 ,C375	ZNF564,ZNF7 09
NVC*LPPEMEVALTEDQVPALK	0.914	C552 C535 ,C552	MAP4
LQLLTFSAMC*QNLAR	0.914	C514	PIK3C2A
KPLVLC*GDLNVAHEEIDLR	0.914	C208	APEX1
VIVVGNPANTNC*LTASK	0.914	C155 C137	MDH1
YVDIAIPC*NNK	0.913	C163 C168 C163	RPSA
NINDAWVC*TNDMFR	0.913	C114	NUTF2
C*YQLPPGAR	0.913	C252 C223	ALAD
TYLLDGSC*MVEESGTLESQLEATK	0.913	C2213 C2238 C2233 C2218	SPTAN1
C*MMAQYNR	0.913	C471 C518 C447 ,C471 C518	STIP1
C*GPTHQGSSEDPMSLSQAQSATEVEER	0.912	C112 C112	TRMT61B
GWAPTFLGYSMQGLC*K	0.912	C135	SLC25A3
GALM+ANFLTQGGVC*CNGTR	0.912	M278,C288	ALDH9A1
NAIDDGC*VVPGAGAVEVAMAEALIK	0.912	C361 C406	CCT6A

NCTC*GLAEELEKEK	0.911	C251 C238 ,C47 C238 C251	CIAPIN1
EQSDFC*PWYIGLPIFYLDNLPFNFR	0.911	C414 C413	GSPT1
GNPQGFNQGLDC*DVIVAEVR	0.911	C500	METTL3
LPQSGSQSSVIPSPPEDEEEDNDEPLLSG SGDVSKEC*AEK	0.910	C465 C533	RABGAP1
EVYEGEVTELTTPC*ETENPM+GGYGK	0.910	C141,M147	RUVBL1
RGPEVTSQGVQTSSPAC*K	0.909	C603 ,C732 C813 C270 C603 C627 C892 C627 C892 C892 ,C732 C813 C627 C892 C627 C892 C892	ATXN2
VPC*LASMIEDVLGEGSVSASR	0.909	C318 C318 C318	EIF4ENIF1
SDPDAC*PTMPLLAMLLR	0.908	C214 C199 C210 C214 ,C199 C210	GEMIN4
SQTIYEIIDNSQGFYVC*PVEPQNR	0.908	C291 ,C291 C291 C291 ,C291 C291 C291 C291	PSAT1
SSFQVLNNPQAQQGC*SCGSSFSIKL	0.908	C144	ISCA2
YIETSELC*GGAR	0.908	C361 C374 C374 C374 C361 C361 C361 C361	DNM1L
DIIAC*GFDINK	0.907	C225	WARS
LPSAHTC*FNQLDLPAYESFEK	0.906	C4325 C4332 C4341	HUWE1
ELELM+FGC*QVEGDAAETPPRPR	0.906	M248,C251 M274,C277	MAP2K1
LMDLEDC*ALWEGKPR	0.906	C1001 C1001 C1001 C1001 C1001 ,C1001 C1001 C1001	MGA
DC*LADVDTKPAYQNL	0.906	C74	BOD1L1
C*GETAFIAPQCEMPIEWVCR	0.905	C81	PAICS
LLELNC*LQGTGGDFSEPNPALK	0.905	C327 ,C128 C327	PHLDB3
VEYPIMYSTDPENGHIFNC*IQR	0.905	C56 C70	MGST3
FQSSAVMALQEACEAYLVGLFEDTNLC*AIH AK	0.905	C111 ,C111 C111	HIST1H3A
M+ALDALLQEIALSEPQLC*EVLQVAGPDR	0.904	M21,C38 M21,C38	ZC3HAV1
AC*EASWQWGALTTWNSPPVVPANESLR	0.904	C110 C110 ,C110	ZNF629
DIKWDFTPC*K	0.904	C138 C105	ATP6V1A
C*FQEMLEEEEEHEWFIPAR	0.904	C60 C60 C60 C60 ,C60 C60 ,C60 C60 C60 C60 C60 C60	PAIP2
NMITGTAPLDGC*ILVVAANDGPMPQTR	0.903	C147 ,C147 C147	TUFM
VLC*ALTEANVQYAAVR	0.903	C628	PTPN23
DRSDC*LGEHLYVM+VNAK	0.903	C73,M81 C73,M81 C73,M81 C73,M81	CLNS1A
AFENDVDALC*NLR	0.902	C300 C246 C212 C250 C269 C269 C153 C269 C269 C289 C269 ,C300 C246 C212 C250 C269 C269 C153 C289 C269	PCCB
TDC*EPVGLPAVEQSSAASELAEASSEEL AEAPTEAPSPEAR	0.902	C309 C309 C309 C240	SAFB
CQLALQNV*DDVDNDDVSLK	0.901	C346	FTO
ILDEDKESTFGYVHGVSGPVVTAC*DMAGA AMYELVR	0.901	C32	ATP6V1A
DRTDIQCLIPC*AIDQDPYFR	0.901	C268 C309 ,C309	WARS
GCITIIGGGDTATC*CAK	0.901	C379	PGK1
FANSC*DSVYSACTDGTVK	0.901	C82 C82 ,C82	WDR89
DSLYVDGDC*TM+DIR	0.901	C84,M86 C84,M86 C35,M37	PFN2
TQYSCYC*CK	0.901	C238 C229	TES

SSPGLSDTIFC*R	0.900	C27	FAM188A
VRPC*VVYGGADIGQQIR	0.900	C282 C298 C298 C298 C298	DDX3X
FQYQLAC*R	0.900	C295 C294 ,C295 C295 C294	TMEM209
TAC*TNFMM+TPYVVTR	0.899	C177,M182 C177,M182 C177,M182 C177,M182 C177,M182 ,C177,M182 C177,M182 C177,M182 C177,M182 C177,M182	MAPK9
DSC*ISPSEPETK	0.899	C219	DTX3L
ALANSLAC*QGK	0.899	C393 ,C393 C339	ALDOA
VTAVC*GVVLPGQLPAPGELGGNR	0.898	C271	MDN1
DSNNLC*LHFNPR	0.898	C43 C43 ,C43	LGALS1
NC*YPSPLNYNFPK	0.898	C179	METAP1
GAVTSEALKDPDVC*TDPVQLTTYAM+GVNI YK	0.898	C62,M73	MRPL54
ISSAAPSSDSSLYNAPLPEYSSC*QPPSAPP PSYAK	0.897	C290	ENAH
INNAC*FEAVVVTNTIPQEDK	0.896	C265	PRPS1
LC*PPELAPAELLLLLR	0.896	C695	HPS6
GFGFVTYSC*VEEVDAAMC*AR	0.896	C63,C72 C85,C94	HNRNPA3
IC*EEETGSTSIQAADSTAVNGSITPTDKK	0.895	C161 C242 C173 C242	GLYR1
DIHTALLDC*ANK	0.895	C202 C181	IXL,MED29
PKFYCDYC*DTYLTHDPSVR	0.895	C9	SNRPC
GAGPGC*YLAGSLTLSK	0.894	C967 C967	TPP2
SALFQLAEMC*LASEGMK	0.894	C304 C304 C304	BBX
ATDYGPEEVC*ER	0.894	C63 C63	TSC22D2
DISILQCHGDC*DPLVPLMFGSLTVEK	0.893	C173 C157 C157 C139	LYPLA1
LTLSC*EEFVK	0.893	C219	ETHE1
LSC*GQSPYTETTWER	0.893	C79	RASAL2
GEVITTYC*PANNEPIAR	0.893	C70 C42	ALDH7A1
SGHSSSEGEC*AVAPEPLTDAEGLFSFADF GSALGGGGAGLSGR	0.892	C23 C23 C23 C36	ANKRD54
NMIENSMFEEEPDVVDLAKEPC*LHPLEPDE VEYEPR	0.892	C35	LNPEP
LSHAVGC*AFACLER	0.891	C149 C160 C160 C16 C149 C160 C149 C160 C149	NUMB
GCITIIGGGDTATCC*AK	0.891	C380	PGK1
FC*AFGGNPPVTGPR	0.890	C152 C150	CD3EAP
QAHLCVLASNC*DEPMYVK	0.890	C56	RPS12
C*EFEEVQGFLDQVAHKLPPFAAK	0.890	C64 C167	MRPL16
TDVC*VFAAQEDLETMQAFAQVFNK	0.889	C100 C128 C96 ,C100 C128 C96 C100 C128 C96 C100 C128 C96	BZW1
NM+GLSPPASSTSTSSTC*R	0.889	M127,C142	CBX8
VGSDMTSQQEFTSC*LK	0.888	C128 C108 ,C128 C90 C108	PEX19
TLSPGDSFSTFDTPYC*R	0.888	C146 C240 ,C146	NIT2
LC*DFGISGQLVDSIAK	0.888	C246 C257	MAP2K4
FTLDC*THPVEDGIM+DAANFEQLQER	0.888	C25,M34	RPL22
ELLTEFGYKGEETPVIVGSALC*ALEGR	0.887	C222	TUFM

GIFPVLK*KDPVQEAWAEDVDLR	0.887	C400 C474 C459 ,C474 ,C474 C474	PKM
EAGIC*YASIAMATDYDCWKEHEEAVSVDR	0.887	C228	MTAP
LADLGYGC*GTAAFPYPMMHGR	0.886	C158	C5orf24
EASYGSIDC*QYPGSALALDGSSNVEAEVL ENDGVSGGLGQR	0.886	C163 C119 C115	USP10
NSFYM+GTC*QDEPEQLDDWNR	0.886	M1904,C1907 M768,C771 M1890,C1893 M1888,C1891 ,M1904,C1907 M1890,C1893 M1888,C1891	NUMA1
NTGDADQWC*PLETELTDAAEMEK	0.885	C359 C350 C341 C304	SMARCB1
LMDLDVEQLGIPEQEYSC*VVK	0.885	C135	PCNA
TNHLVTVEGGWPQFGVGAEIC*AR	0.885	C306 C288 ,C306 C288 C288 C288 ,C306 C288 C306 C288	PDHB
MLC*PSEMLTR	0.885	C556 C558	CTIF
NSLIELPDDYSC*LLNQASHFR	0.885	C1603	UBR1
HTGC*C*GDNDPIDVCEIGSK	0.884	C113,C113	PPA1
IALC*LPNICTQPIPLLK	0.884	C495 C603 C154 C102 C521	PARG
FTVAESC*DR	0.884	C26 C26 C32 C32 C100 C26 C26 C26 C26 C26 C32 C26 C19 C26 ,C26 C26 C26 C26 C26 C32 C32 C32 C26 C19 C26	TLE3
GHVISQIAQEAGHDLMDIFLC*DVIDR	0.883	C425 C425	ERAL1
KSTYSPLPDDYNC*NVELALTS DGR	0.882	C45 C45 C45 C45	MRPL42
LAENFC*VCHLATGDMLR	0.882	C40 C40 C40 C40 C40 C40 C40 ,C40 C40 C40 C40	AK2
MWC*TVSWTCLQTIR	0.882	C384	EDC4
YAEYFLRPMLQYVC*DNSPEVR	0.882	C915 C933 C917	IPO5
KSEAQHEQPEDGC*PFGALTQR	0.882	C255 C255	TADA3
YLC*DAYQCADVIWQYGLLK	0.882	C59 C300 ,C300	LANCL1
FEQSDLEAFYNVITVC*GTNEVR	0.881	C308 C306 ,C308 C306 C308 C306	C3orf38
C*KPIDVDFDPNSDVSSIGR	0.881	C38 C38 C9 C38	MLF1IP,CENP U
SSSESEDEDVIPATQC*LTPGIR	0.881	C935 C1012 C935 C1012 C1012 C1012 C1048 C1012 C1049	TCOF1
NVAADIAVQLC*ESVANKLEGK	0.881	C363 C335	SRPRA
IEEFLEEVLC*PPK	0.880	C100	CLIC4
ITDFIKFDTGNLC*MVTGGANLGR	0.880	C181 C181	RPS4X
VC*VETVESGAMTK	0.880	C402 ,C402 C350	IDH2
QHDPYITSIADLTGQVALYTFC*PK	0.879	C39 C39 C39 C39 C39 C39 C39 C39 C39	DCP1A
TLSSSEIPDHEFFTAYGPDYVLEITPSC*RPDR	0.879	C352 ,C352 C261	HDAC8
NNPVHTLTEVELLAFTSC*LLSQPK	0.879	C374	TTC27
TWYVQATC*ATQGTGLYEGLDWLSNELSK	0.878	C159 ,C159 C159 ,C159 C159 C159 C159	ARF4
SC*GKPVDFIQELLAK	0.878	C30 C73 C100	PPP1R14A
LGEWVGLC*K	0.878	C92 C92 ,C92	RPS12

VLGAHILGPGAGEM+VNEAALALEYGASC* EDIAR	0.877	M415,C429 M463,C477 M440,C454 M364,C378 ,M415,C429 M463,C477 M440,C454 M364,C378 M415,C429 M463,C477 M440,C454 M364,C378	DLD
LHLDEDYPC*SLVGNWNTWYGEQDQAVHL WR	0.877	C106	NIPSNAP1
MC*DLVSDFDGFSER	0.877	C182	ADSS
AMAHCQSQEALIVGGVGC*NVR	0.876	C265	OSGEP
C*GAAEAEIMNLPER	0.876	C219 C50 ,C219	CXXC4
AFC*ETLEETNYR	0.876	C230 C128 C230 C201	SNX16
LIC*CDILDVLDKHLIPAANTGESK	0.876	C97 ,C75 C97 C75 C97	YWHAE
LHC*PAAPEHTDPSEPR	0.875	C89 C89 C89	PASK
GC*GTVLLSGPR	0.874	C134 C134 C105 C136 C113	RPL18
AEEDVEPEC*IMEK	0.873	C102 C127 C24 C127 C127 C32 C56 ,C127	DBNL
ISEVDC*WFESGSM+PYAQVHYPFENKR	0.873	C526,M533 ,C526,M533 C526,M533	IARS
LAGVTALSC*WLPLR	0.873	C144 C128 C128 C80 ,C144 C128 C128	LYPLA1
THLCDVEIPGQGPM+C*ESNSTMPGPSLES PVSTPAGK	0.872	M160,C150 M192,C182 M175,C165 M139,C129	NIT1
GQPVC*GLSLQAEGR	0.872	C258	PPOX
VGLPIGQGGFGC*IYLADMNSSES VGSDAP CVVK	0.872	C50	VRK1
FTSGAFLSPSVSQEC*R	0.872	C1051 C1068 C1051 C107 C1068 ,C1051 C1068 C1068 C107 ,C1051 C1068 C1068	NUP98
NNLSYDC*IGR	0.872	C86 ,C86 C86	HMGCS1
VWAEPC*LIDAAKEEYNGVIEEFLATGEK	0.871	C254	RNPEP
C*DQGNTAATQTEVPSLVVK	0.871	C632	MORC3
AAC*SAAAM+EEDSEASSR	0.871	C198,M203 C175,M180 C195,M200 C175,M180 ,C198,M203 C175,M180 C195,M200	UBE3A
NAIQLLASFLANPPFSC*K	0.871	C439 ,C439 C311	NCAPD2
GEETPVIVGSALC*ALEGR	0.871	C222	TUFM
C*NTDTFYFISSTR	0.871	C318 C318 C318	SPATA5
AVAGASAMFAGLQDLGVANGEDLKETLTNC *TEPLK	0.871	C71	NELFB
NLTQQLQTTTC*HTLLSNIQGV PQNIQDQAK	0.870	C325	PLIN2
QASVGAGIPYSVPAWSCQMIC*GSLK	0.870	C92 C121	ACAT2
ANLAC*SPLGGGEPSPGAGEPSK	0.870	C331	PRR12
M+VSTPIGGLSYVQGC*TK	0.869	M50,C64 M50,C64 M75,C89 M50,C64 ,M50,C64 M50,C64 M75,C89 M50,C64 M50,C64	ACSF2
C*LTQSGIAGGYKPFNLET CR	0.868	C42 C57 C57 C14 C42	SRI
SGDAAIVEM+VPGKPMC*VESFSQYPP LGR	0.867	M404,C411	EEF1A2
LIPLDEEC*SMDETPYVETLEPGGSGGSPD GAGGSK	0.867	C526	PPP1R10
SLCLVPVTL LLSNC*SK	0.867	C1341 C1287	TRAPPC8

DYVTGGAC*PSK	0.867	C30 ,C30 C30	RDH13
SVLLC*GIEAQACILNTTLDLLDR	0.866	C107 C107 C107	ISOC2
RPPSAATTC*DPVVEEHFR	0.866	C211 C205 C205 C211 C146 C174 C125 C205 C121 C210 ,C211 C211	VGLL4
FC*EGPSEPSGDPPR	0.866	C84	SOWAHC
RLDYFSEEC*VYAPEAFR	0.866	C237	CTU1
LVIYGGMSGC*R	0.866	C227 C227 C227 C227 C227 C227 C227 C227 ,C227 C227 C227 C227	HCFC1
GVPYASC*TATQSFSTFR	0.865	C1772 C1688	CUL7
HPHDIIDDINSGAVEC*PAS	0.865	C162	RPL12
SVGAELNVLPFC*TQFIPMDIIDSPK	0.865	C108	ALDH1L2
LPACVVDC*GTGYTK	0.864	C12	ACTR3
ATVFLNPAAC*K	0.864	C72 C44 ,C72 C72 C44	AGK
NVIDGDLG*EQFNSMEPNK	0.863	C1179	SF3B3
LVC*GDEGLGAMAIEVGTIVDK	0.863	C141 C98 C173 C130	PPCDC
AYPVSGC*FDYLSLDPDTIHIGGR	0.863	C1079 C1079 ,C1079	DIDO1
IVDAVIQEHQPSVLELGGAYC*GYS AVR	0.862	C119 C69 ,C119 C69 C119 C69	COMT
TAGQPEGGPGADFGQSC*FPAEAGR	0.862	C302 C258 C254	USP10
SFNVIDIKPANM+EELTEVITAAEFHPNSC*NT FVYSSSK	0.862	M222,C239 M232,C249	PPP2R2A
GAEPETGS AVSAAQC*QVGPTR	0.861	C69 C90	EIF2B4
NMM+AAC*DPR	0.861	M282,C285 M300,C303 M300,C303 M300,C303 M300,C303 M647,C650 M300,C303 M300,C303 ,M282,C285 M300,C303 M300,C303 M300,C303 M300,C303 M300,C303 M647,C650 M300,C303	TUBB4A,TUBB 2A,TUBB6,TU BB2B,TUBB,T UBB8,TUBB3, TUBB4B
HSAYSYC*GR	0.861	C103 C103 C103	KANK2
FLDGNELTLADC*NLLPK	0.860	C178	CLIC1
AQLNIGNVLPVGTMPGIVC*CLEEKPGDR	0.860	C114 C114	RPL8
GM+YGIENEVFLSLPC*ILNAR	0.860	M281,C294	LDHB
EQLQLSEATGTC*LG ER	0.860	C1945	MCM3AP
YGLNMC*R	0.860	C39 C39 C36 ,C39 C39	RPS29
KC*GETAFIAPQCEM+IPIEWVCR	0.859	C81,M93 C88,M100 ,C81,M93 C81,M93 ,C81,M93	PAICS
ARHGGEDYVFSLLTGYC*EPPTGVSLR	0.859	C219	CYC1
TTEETASISGSPAESSC*QVEHSSALAVEEL GFER	0.859	C131	FAM188A
FSNQETC*VEIGESVR	0.859	C41	PRPS1
AGMAAVASPTGNC*DLER	0.859	C560 ,C154 C560	SLC27A4
TDLLDSESQSGVFLPELDEPEYC*NAQNT ALWELHALR	0.858	C683	NOC3L
CLHSVGQPLTGQGPVSWPC*NPEK	0.858	C230 C230 ,C230	PCK2
EEPEKWPLPPIVDYSQTDFSQLLNC*PEFVP R	0.858	C425 C502	LARP1
AFSPGLPPQSC*SLNLK	0.858	C251	FITM2

IYC*VACQELSDVDKDNPALNAQAALSQAR	0.858	C70 C33 C64	SSSCA1
SC*LLEEEEEESGEEAAEAME	0.857	C146 C96 ,C146	POP5
LVTVWSAPNYC*YR	0.857	C299 C262 ,C299 C240 C262	PPP6C
ICPVETLVEEAIQC*AEK	0.856	C225	ECHS1
VILALGDYMGATCHAC*IGGTNVR	0.855	C136 C135 C135	EIF4A2
ALVLDC*HYPEDEVGQEDEAESDIFSIR	0.855	C82 C82 C186	C1QBP
ILLQNDPC*LLPEVCLLYNK	0.855	C163	ZC3HAV1L
VC*LLGDTGVGK	0.855	C9 C10 C9	RAB22A,RAB3 1
AWLVSSGC*PLQVK	0.853	C554 C540	SUGP2
CLDLYLC*PR	0.853	C373	BOP1
AAAIGIDLGTYSYC*VGVFQH GK	0.853	C17 C18 C17	HSPA1A,HSP A1B
LALEYIVPC*MNK	0.853	C201 C201 C100 ,C201 C201	EGLN1
NADM+SEEMQQDSVEC*ATQALEK	0.852	M13,C24	DYNLL1
AQEAC*GPLEMDSALSVVQNLEK	0.852	C1045	TLN1
FGWDC*HGLPVEYEIDK	0.851	C87	IARS
SLAEPGC*PTHGSAESPSTAASPTTSVSSLT ER	0.851	C288	SIX3
QRAVC*M+LSNTTAAIEAWAR	0.851	C376,M377 C376,M377 C376,M377 C400,M401 C310,M311 ,C376,M377 C376,M377 C376,M377 C376,M377 C376,M377 C400,M401 C310,M311	TUBA8,TUBA1 A,TUBA3C,TU BA4A,TUBA1B
LC*YVALDFEQEM+ATAASSSSLEK	0.850	C217,M227 C217,M227 C217,M227 C217,M227 C217,M227 C217,M227 C917,M927 C917,M927 C917,M927 ,C217,M227 C217,M227 C217,M227 C217,M227 C917,M927 C917,M927 ,C217,M227 C217,M227 C217,M227 C217,M227 C917,M927 C917,M927 C917,M927 C917,M927	ACTG1,ACTB, POTEE
C*ELLYEGPPDDEAMGIK	0.850	C369	EEF2
EGVSGPDLPVC*EPSGESAAPDSALPHAAR	0.850	C35 C35 C35	MKRN3
LANTC*FNEIEK	0.849	C241 C197 C88 ,C241 C197	ARFGAP3
AAVEEGIVLGGGC*ALL	0.849	C442	HSPD1
ITSC*IFQLLQEAGIK	0.848	C63	PAICS
MQPDC*SNPLTLDECAR	0.848	C391	TFIP11
IAVAAQNC*YK	0.848	C67 C104	TPI1
YINENLIVNTDELGRDC*LINAAK	0.846	C147 ,C147 C147	TCP1
GLPWSC*SVEDVQNFLSDCTIHDGAAGVHFI YTR	0.846	C22	HNRNPF
HVVC*AAETGSGK	0.846	C170	DDX28
TTANAIYC*PPK	0.845	C202 C202 ,C29 C202 C202	PSMD11
FQYEC*GNYSGAAEYLYFFR	0.845	C141 ,C141 C141	EIF3E
ASC*PAAAPLMER	0.844	C7 C7 C7 C7	PPCDC

LMEPIYLVEIQC*PEQVVGGIYGV LNR	0.844	C751	EEF2
LNLPIIIGLAPLC*ENMPSGK	0.844	C304 C335	LAP3
SESGGLGVSMVEYVLS SSPGDSC*LR	0.844	C270 C234 C234 C234 C251 C234	PUM1
GLNDLQPWPNQMAIAC*GSR	0.843	C194 C164	ALG5
C*QQALFHGPGGEALALTEAAR	0.843	C76	F8A1
ERESLNASIVDAINQAADC*WGIR	0.843	C167	STOML2
NFLYDIAGC*SGTFTVQNR	0.843	C213 ,C213 C114	GMPS
SYC*ENHLGSTAK	0.843	C340 C483 C483	ORC3
NFSNFCNVDVVEILPYLPC*LTAR	0.843	C33 ,C33 C33 C33	MAVS
TALKEDGVLCQGECC*QWLHLDLIK	0.842	C209	SRM
NC*LQVLNPETR	0.842	C115 ,C198 C115	RABEPK
WTCTSSGSSPQYNIC*EQMIQIR	0.842	C346	CYFIP1
GPC*IGPGAGEILER	0.841	C58 C58	ENKD1
GPAAAAAGYGC*PLLS DLTLS PVP R	0.841	C1540	AHDC1
NDITAWQEC*VNNSMAQLEHQAVR	0.841	C106	BCAS2
MVPGKPMC*VESFSDY PPLGR	0.840	C411	EEF1A1
DQAIC*ELQEEVSR	0.840	C959 C997 C1078 C538 C325	AKNA
YPGTPADFNPGSLAC*SQLQNYDPDR	0.840	C3856 C3864 C3868 C3868 C3867 C3814	AKAP9
LSVLAVDPSSC*TSGGSLGDK	0.839	C184 C184 ,C184 C184 C184	MMAA
AHDYEVAQMGNADETPIC*LEVPSR	0.839	C369	POGK
QAAPC*VLFFDELDSIAK	0.838	C572	VCP
PKFYC*DYCDTYLTHDPSVR	0.838	C6	SNRPC
VVGSDAVDSGTC*SSAFAGWEVHTR	0.838	C208 C302 C322 C293 ,C322 C293	ZGPAT
DSFDNC*SLGESSK	0.837	C1692 C1692	RIF1
SIC*TTVLELLDK	0.837	C94	YWHAQ
PM+C*VESFSDY PPLGR	0.837	M410,C411	EEF1A1
GADC*CVLVFDVTAPNTFK	0.837	C83 C83	RAB7A
RVFIMDNC*EELIPEYLN FIR	0.836	C374 C496	HSP90AA1
TYADYESVNECM+EGVC*K	0.836	M29,C33 M29,C33	ERH
IQCTLQDVGSALATPC*SSAR	0.835	C80 C132 C132 ,C80 C132	MMAB
NPVSQC*MR	0.835	C50 C50 C50 C50 C50 ,C50 C50 C50 C50 C50 C50 C50 C50 C50 C50 ,C50	TARDBP
TNHIGHTGYLNTVTVPDGLSC*ASGGKDG QAMLWDLNEGK	0.835	C207	RACK1
TYELLNC*DK	0.834	C66 ,C66 C60 C67	EMG1
GTPLTPPAC*ACSSLQVEVER	0.834	C890	NEK9
ILTDEMLLQAC*EGR	0.832	C157 C152 C123 C157 C152	GPATCH4
LQDAYYIFQEMADKC*SPTLLLLNGQAACHM AQGR	0.832	C235 C212 C161 C211 ,C235 C212 C211	COPE
NPDGSESPWC*FTTDPNIR	0.832	C360 C365	HGF
GKLPIVND C*DELVAIAR	0.831	C231 C290 C210 C214 C300 C264 C190 C267 C215	IMPDH1
FLC*ADYAEQDEL DYHR	0.831	C1043 C1083 C1070 C1025 ,C1043 C1083 C1070 C1025 C1043 C1083 C1070 C1025	ACIN1
TEGGGSEAPLC*PGPPAGEEPAISEAAPEA GAPTSASGLNGHPTLSGGGDQR	0.830	C2243 C1098	MAP4

TDDYLDQPC*YETINR	0.830	C202 ,C30 C202	GDI2
C*EGINISGNFYR	0.829	C37	RPL13A
ISDLEIC*ADEFPGSSATYR	0.828	C35 C106 C171	METTL2A
RPYGVGLLIAGYDDM+GPHIFQTC*PSANYF DCR	0.827	M146,C154 M140,C148	PSMA1
IIPTEEGLQLPSPTATSQLPLESDAVEC*LN YQHY	0.827	C132 C132	HNRNPK
VTDDLVC*LVYKTDQAQDVK	0.827	C48 ,C48 C48	SRP9
FNAHGDANTIVC*NSK	0.827	C61 ,C61 C61	LGALS1
C*LEPSGNGGEGTR	0.826	C5 ,C5 C5 C5 C5	SOCS2
FNYSVQEEEDTC*LGGK	0.826	C275 C275 ,C275	BCCIP
NSHELGPC*PEDGSDAPLEDSTADAAASPG P	0.826	C1540 C1500	ARHGEF11
RVFIM+DSC*DELIPEYLNFR	0.825	M363,C366	HSP90AB1
C*SDWASAVEEDEM+R	0.824	C72,M84 C72,M84	SLBP
SSVELPPYSGTVLC*GTQAVDKLPDQGQEQ R	0.824	C88 C44 C40	USP10
NFLYAWC*GK	0.823	C12	DHX9
VLSEC*SPLMNDIFNK	0.823	C623	COPB1
TWYVQATC*ATQGTGLYDGLDWLSHELK	0.822	C159	ARF5
EMFGSGTAC*VVCPSVDILYK	0.822	C335 C334 C347	BCAT1
STGVVNIPAAEC*LDEYEDDEAGQK	0.821	C119 C173	PAWR
EKC*EGFELHFWR	0.821	C29 C20	TES
MLSAVSQQVQC*IQEALR	0.820	C1977	DYNC1H1
ITNSLTVLC*SEK	0.820	C86 C158 C207 C153 C66 ,C86 C158 C207 C66	EIF3J
EGDQLVVGPTDDGC*FLELR	0.820	C442 C362 C450	GTPBP2
NKDVLAQETSQQLCC*QK	0.819	C348 C360 C232	SNX6
VFANAPDSAC*VIGLK	0.818	C708	PFKL
SAGDLGIAVCNVPAASVEETADSTLC*HILNL YR	0.818	C123 C128 C123 C134 C123 C123 ,C123 C134	CTBP1
EILKWEALHAAECPC*GPSLIR	0.818	C178	HCCS
ELGYVTLMC*GDGTNDVGALK	0.818	C744 C862	ATP13A1
DSFFLDLSC*EK	0.817	C192 C86	NVL
C*LDDPPAQIREEDEMGAASVSGTAK	0.816	C89 C101 C89 C89	PI4KB
C*DQDAQNPLSAGLQGAQLMETVELLQAK	0.815	C240 C245 C124 C242 C240	DCTN2
C*SGIASAAAAAVEAAR	0.814	C111 ,C111 C111	QPRT
VC*PTTETIYNDEFYTKQDVIITALDNVEAR	0.814	C546	UBA6
LGYAGNTEPQFIIPSC*IAIK	0.814	C34	ACTR3
NGLPDHTDPEDNEIVC*FLK	0.814	C1115 C1160 C1134 C1169 C1142 ,C1169	GAPVD1
EKPPC*NAQELEECDIFFEESLRCR	0.813	C402	NUDCD1
GVNEDTYSGLDC*AR	0.813	C296 C271 ,C271	SLC25A22
DC*VLIINHDTGEYVLEK	0.812	C86	EA1
SLRDDYEVSC*PELDQLVEAALAVPGVYGS R	0.811	C352 C322 ,C352 C322 C114	GALK1
TGGAYGEDLGADYNLSQVC*DGK	0.811	C2468	FASN
LTMPSPMPEYLNHYIC*ESASR	0.811	C387 C406	NR2C2
ERFDPTQFQDC*IIQGLTETGTDLEAVAK	0.810	C39 C67 C35 C35 ,C39 C67 C35	BZW1
IWC*FGPDGTGNILTDITK	0.810	C651 C651 ,C651	EEF2

VTVMSTINPTKDLLADLIGC*QR	0.809	C962 C542	PRPF4B
CSSCQAFLC*ASLQPAFDLDRYK	0.809	C104 C125 C125	ZC3HC1
HPSAVTAC*NLDLENLVTDNSR	0.808	C325	COPG1
SLAEAC*SEGDVNAVR	0.808	C242 C127 C129 C242 C242	ANKRD17
TPEDPAVQSFPLVPC*DTDQPQDKPPDWFT SYLETFR	0.808	C141 C141 C120	NBR1
DAAPAHGQSIEIPSAC*ISR	0.807	C708 C708 C709 C710 C710 C706 C710 C706 C709	PHRF1
NSGLNC*GTQR	0.807	C32 C32 C32	NFX1
AVVLQLGADTIAGDPMC*SFNMTPVGIGK	0.806	C275 C184 C249 C184	HDAC8
SELPYVLEMVAELAGQQDPGLGAFSC*QEA R	0.806	C400 C551	RNF31
WKGFTDADNTWEPEENLDC*PELIEAFLNSQ K	0.805	C69	CBX3
C*SDFTEEICR	0.804	C273 C351	IDH3A
SNPENNVGLITLANDC*EVLTTLPDTGR	0.802	C58 C43 C58 C58	PSMD4
SMEELTVIQC*TSQELPAQTGLLSQTDVPL PAGR	0.802	C308 C184 C340	AAK1
DC*GSVSTVDEFPEAR	0.802	C903	OTUD4
MLGETC*ADCGTILLQDK	0.802	C53 C16 C47	SSSCA1
FPEELTQTFM+SC*NLITGMFQR	0.802	M387,C389 M337,C339 M387,C389 M337,C339 M387,C389 M337,C339 ,M387,C389 M337,C339	EEF1G
SSGTFLSGLSDC*TNVTFSK	0.800	C102 ,C102 C102 C102	RRP12
YRFPALADPDC*YGFR	0.798	C57 C57 C57 C57 C57	RPUSD1
SC*QTALVEILDVIVR	0.797	C819	IARS2
ILTLESNVDTTANSSC*QINR	0.797	C665	STRN
LVGEFLEVTC*INPTFICDHPQIMSPLAK	0.796	C484 C456	KARS
NTNDANSC*QIIPQNVNR	0.796	C317	GDI2
GFSAAAAPDPDDPFGAHGDFATADDLEELDT LASQALSQC*PAAAR	0.794	C74 C74 C74 ,C74 C74	ATRIP
IIFVVGPGSGKGTQC*EK	0.793	C25 C41	AK1
LNSDPQFVLAQNVGTTDHLDDIC*LKR	0.793	C40	BLMH
MLPTYVC*ATPDGTEKGDFLALDLGGTNFR	0.791	C517 C489	HK2
SSQAEAC*SESR	0.790	C544 C502	DTL
LIDLNNGEGQIFTIDGPLC*LK	0.790	C144 C193 C229 C136 C114 C157	VWA9
C*VTDECFER	0.789	C96 C229 C229 C151 C137	FGF2
AGKPVIC*ATQMLESNIK	0.788	C326	PKM
C*MLDAALATLNTHGK	0.788	C1275	GCN1
TVVNISSLC*ALQPFK	0.787	C159	SPR
LVTSPCC*IVTSTYGWANMER	0.787	C598 C720	HSP90AA1
LLQFQDLTGIESMDQC*R	0.787	C32	FAF2
AC*ANPAAGSVILLENLR	0.787	C108 ,C108 C108	PGK1
ITAEDC*TM+EVTPGAEIQDGR	0.786	C201,M203 C216,M218 C201,M203 C216,M218	FIP1L1
SVC*TLQITDTTGSHPAMQR	0.786	C55 C55 C55 C55 ,C55 C55	DIRAS1
SSSLEGGSPDEFNGEELC*GVMTISDSPR	0.786	C262 C203	CASP8
DLQAEALC*K	0.786	C157 C272 C272 C272 C201	BAG1

VESIYLNVESVC*THR	0.785	C440 C440 C440 C420 C440 C440 C454 C440 C440 C440 C420 C440 C440 C454 ,C440 C420 C454 C440 C420 C454	PFKFB3
DC*EVVMMIGLPGAGK	0.785	C497 C478	HNRNPU
C*GETGHVAINCSK	0.785	C133 C140 C141 C134	CNBP
C*DSQFYSVQVADSTFTVLKR	0.785	C6 C6 C6 C6 C6 C6 C6 C6 C6 C6 C6 C6 C6 C6	MAPK9
ICDGCIIVDAVEGVC*PQTQAVLR	0.785	C73 C124	EFL1
TDSLAHC*ISEDRC	0.785	C33 C33 C33 C33 C33	OARD1
IEEVSDTSSLQPQASLKQDVC*QSYSEK	0.784	C485 C519 C360	RPAP3
VWDDQAVWNVDYC*QILK	0.784	C258 C188	CCNYL1
AIYDTPC*IQAESEK	0.784	C255 ,C235 C255	PSMD12
GPTEIC*DK	0.782	C71	C18orf32
MAAAGGTVSGPSSAC*KPGR	0.782	C254 C254	HECTD1
DLGGIVLANACGPC*IGQWDRK	0.782	C451 C476	ACO2
MKDLGIQC*R	0.782	C326 C398 C306 C279 C384	ELP3
FYC*DYCDTYLTHDPSVR	0.781	C6	SNRPC
VCC*ALLISESQK	0.781	C79 C79 C79 C104 ,C79 C79 C79 C79 C104 C79	ZNF346
AEGSDVANAVLDGADC*IMLSGETAKGDYP LEAVR	0.780	C284 C358 C343	PKM
EATEAQSLEATC*EK	0.778	C131 C102 C131 C131 C119 C666 C51 C102	CTAGE5
FGYTVSEENYMC*R	0.778	C179	GNPNAT1
VLEDEEGSKDIELSDDPYDC*IR	0.778	C189	EXOSC7
VPWVC*PR	0.777	C463	PPP1R10
AQILVLTYPILIGNYGIPPEMDEFGLC*K	0.777	C73 C73	CAD
MLLC*EAVAAVMAK	0.776	C638	RARS
C*YPPGQPEK	0.776	C141 C40 C144 ,C144 C144	ALG13
IAAVESC*FGASGQPLALPGR	0.775	C21 C21 C21	PLEKHF1
AVDALLTHC*K	0.773	C47 C47 C47 ,C47 C47	RSL1D1
FPEELTQTFMSC*NLITGM+FQR	0.773	C389,M395 C339,M345	EEF1G
ELNIDVADVESLLVQC*ILDNTIHGR	0.773	C399	COPS2
QC*IEIENR	0.772	C255 C319 C331 C319 C157 C331 C318	GABPB1
AEEATEAQEVVEATPEGAC*TEPR	0.772	C189 ,C189 C189	SURF6
QYEVGLQNLN*NSYQSR	0.771	C22 ,C22 C22	MORC2
LVC*PAAYGEPLQAAASALGAAVR	0.770	C110	F8A1
GTVLLADNVIC*PGAPDFLAHVR	0.770	C223 C173	COMT
AC*FQVGTSEEMK	0.769	C717 C718 C729 C728 C717 ,C717 C718 C729 C728 C717 C157	NUP214
HLVC*SSGGNAGIAAAYAAR	0.769	C69 C11	SDSL
SAYLSC*LQR	0.769	C144	CCDC127
QEC*GEPALPSASEEQVAQDTEEVFR	0.769	C14 C14 C14	BAK1
VTAVDWHFEEAVDGECP*PPQR	0.768	C1374 C1311	CAD
SSILLDVKPWDETDMAQLEAC*VR	0.768	C583 C633 C583	EEF1D
AQALLADVDTLLFDC*DGVLWR	0.768	C35	PGP
SLADLQQQEEETYADAC*DEFLDPIMSTLMC *DPVVLPSR	0.768	C461,C474 C996,C1009 C989,C1002	UBE4A

VKEFCENLSADC*R	0.767	C138 C317 ,C317	PPP2R1A
ETVYC*LNDDETEVLKEDIQGF	0.767	C296	XRCC5
TGQYSGIYDC*AK	0.767	C330 C311	SLC25A24
SGQVYSFGC*NDEGALGR	0.766	C93 C93 C93 C93 C124 C101 C110 ,C93 C124	RCC1
AQVCGGFILHEAUAPEC*LR	0.766	C609	AARS2
C*YYSNTDAVIYVVDSC*DRDR	0.766	C63,C78 C80,C95 C80,C95	ARL1
SLDLFNC*EITNLEDYR	0.765	C73	ANP32E
AC*LIFDFEIDAIGGAR	0.765	C270 C133 C270 C133	PSMC2
STC*TINYSK	0.765	C522 C494	ALDH7A1
VLNEEC*DQNWYKAELNGK	0.765	C32 C32 ,C32	GRB2
DKEPEVVFIGDSLVLQML+HQC*EIWR	0.764	M52,C55 M52,C55	PAFAH1B3
TSVPC*AGATAFPADSDR	0.764	C189 C189 C138 C277 ,C189 C115 C189 C115 C277 C115 ,C189 ,C189 C115 C26 C189 C115 C138 C277 C115	ATG4B
LVENDVAGIDVNMGC*PK	0.763	C116	DUS2
EEVEDLC*R	0.760	C544 C546	ALDH18A1
ALLAMYTNQAEQC*RK	0.760	C323 C262	SRP72
VQREETEVLASLC*SLR	0.760	C482 C411	RABEP2
HVDFQC*VR	0.760	C224 C369 C203	KCTD20
GFC*YVEFDEVDLTK	0.759	C85 C85	EIF4H
SGDAAIVEMVPGKPM+C*VESFSQYPLGR	0.758	M410,C411	EEF1A2
TNPIC*SMTWGFDSISSVK	0.757	C190 C342 C190	DCAF13
WC*ELLQESA AVGR	0.757	C29 C29 C29 C29 C29 C29 C14	STX10
C*GSALVSSLATGLKPR	0.756	C176	CWF19L1
LIC*EGNPYVLGIR	0.755	C122 C51 C122	PYROXD1
C*SLPAEEDSVLEK	0.755	C652 C635 ,C652	MAP4
ESC*EVALDMYEHETGR	0.755	C273	DOHH
PASQC*GSLIGK	0.753	C109 C109 C109 C109 C113 C113 C113 C113 C113 C113 ,C109 C109 C109 C109 C141	PCBP4,PCBP 3,PCBP2
THDLTLASHEENPAWLPLYGSVC*CR	0.753	C247 C284 C297 ,C247 C284 C297 C247 C284 C297	RTKN
SNNEIILVLQHFDNC*VDK	0.752	C61 ,C61 C61 C61 C61 C61 C61	SPATS2
C*SLGTKEPTYLLGIDTSK	0.752	C16 C16	WDR89
EGVLKEEILLAC*EGGTGTCVR	0.751	C149 C124	C20orf27
TFANYSTC*DR	0.750	C448 C482 C53	SARM1
SQLSC*VVDDIER	0.749	C594 C599	NSF
KQVTPSAIQSETEQLQAAAMAAEAEQQL ET IAC*S	0.748	C448	ZBTB14
MVEDAC*MLLADYNGR	0.748	C220 C220	RPRD1A
ATGGLC*LLGAYADSDDDNDVSEK	0.747	C110 C108 C110 C108 ,C110 C108	FNBP4
VC*DATYDKAPVEK	0.747	C46 C46 C46 C46 C46 C46 C46	PTP4A2
VQQAC*EMVMDILR	0.744	C296 C296	KHSRP
LFPNSLDQTDHMGDSEYNIMFGPDIC*GPGT K	0.743	C137	CALR

QKFDNLYC*CR	0.743	C292 C280 C270 C373 C270 C372 C245	AHCYL2,AHC YL1
GPTQPPTLPAGSGSNDETC*TGAGYPQGK	0.743	C93	GSPT2
TIESYC*QDVLR	0.743	C89	GNL3L
VEEVWLAELQGPC*PQAPPLEPGAQALAYR PVSR	0.743	C131 C131 C131	ZNF395
LGMAVSSDTC*R	0.743	C50 C35 C35	COMMD6
LLEC*PHLNVR	0.742	C708 ,C708 C708 C708	IPO4
EGVVEC*SFVK	0.742	C275	MDH2
C*DEPILSNR	0.742	C133	PEBP1
EC*MAGTSGSEEVK	0.741	C1076 C1105 C1105 C1082 ,C110 C66 C1076 C371 C1105 C1105 C1082	KTN1
HIEWESVLTNTAGC*LR	0.741	C479 C210 C432 C479 C533 C533 C432 C533 C210 C479 C533 C210 C432 C432 C432 C210 C210 C479 C533 C432 C210 C533 C432 C479 C479 C533 C432 C210 C479 C479 C533 C533 C210	CTNND1
ICFQGDEGAC*PTR	0.741	C179	ZCCHC3
DLVVYENSSNPVC*TLNDTAQFNR	0.741	C468 C453	NKRF
IGLDTEGETC*GNAEK	0.741	C119 C119 C119 C91	UROS
SAAPAPISASC*PEPPIGSAVPTSSASIPVTS SVSDPGVGSISPAPK	0.740	C462 C462 C462 C462 C462 C462 C462 C462 ,C462 C462 C468 C462 C462 C462 C462 C462 C462	ATXN2L
LCPVASC*PDAR	0.738	C454	LRWD1
AADAAGPGC*PR	0.737	C103	RNF169
TSAPSGVFLNMGGPYC*QWR	0.735	C831	CNTNAP1
STAPVMDLLGLDAPVAC*SIANSK	0.735	C191 C196 C116 C166	SMAP2
MASC*SYVAHER	0.732	C175 C108	TWIST1
C*HVPLAQALVTSELEK	0.732	C164 C127 C57 C164 C127 C57 ,C164 C127 C57	FAM136A
DATEIQNIQIADGDVC*R	0.731	C243 C195 C216	DSCR3
DVNLRPEQLGDIC*VGNVLQPGAGAIMAR	0.731	C87 ,C87 C87	ACAA1
IPVLEC*AASWLQR	0.730	C132 C113	C7orf26
LGGEVSC*LVAGTK	0.730	C53	ETFA
DSSTC*PGDYVLSVSENSR	0.729	C44	CRKL
SLGNVWPGEEEPC*NDATTPSYK	0.729	C119	BEND3
C*EVLQYSAR	0.728	C253 C253 C253 C283	NDUFA10
GETEELQANAC*TNPAVHEK	0.727	C130 C358 C299	COQ3
NFTDTSMLYPEDTC*K	0.727	C349 C220 C200 C200 C234 C200	TGIF1
C*NEQPNRVEIYEK	0.727	C98 C72 C98 C98 ,C98 C98 C98 C72 C98 C98	CYFIP2,CYFIP 1
NSFYMGTC*QDEPEQLDDWNR	0.726	C1907 C771 C1893 C1891 ,C1907 C1893 C1891	NUMA1
DLLHSEGSSENEGPVSSSSDC*R	0.725	C377	PPP4R2
SNPAIQAAIDLTAGAAGGTAC*VLTGQPFDT MK	0.724	C23	SLC25A15

NRAEAAMEFLQELNSDVSFVEESPENLL DNDSFFC*R	0.722	C115 C115 C121 C124 ,C156 C115 C115 C121 C124	NAE1
CETMVYHPNIDLEGVNC*LNILR	0.722	C111	UBE2M
SVSGTDVQEEC*R	0.722	C256 C254 ,C190 C256 C254	NASP
LLMEQESSAC*SR	0.721	C139 C153	PEX11B
QNLFQTGSNVSFSC*GGETR	0.721	C203 C203 C203 C203 C203 C203 C203 C203	OSBPL3
KVIEINPYLLGTMAGGAADC*SFWER	0.720	C111	PSMB5
C*LRGEEVAVPPGLVGYVMVTEEK	0.720	C67 C61 C67 C67	RNASEH2C
ISASNAVC*APLTWVPGDPR	0.720	C162 C116 C140	MED4
ATC*GTVGDDNEEAK	0.717	C170	COIL
DC*PDNPHIWLQLEGPKENASR	0.716	C46	KHNYN
LGDGLFLQC*CEEVAELYPK	0.715	C232 C232 C232 C232	IDH3B
ELAPGSPIASVSFGAC*R	0.715	C192	ALKBH2
ISHEFALNGNPQNPYC*DGIEGVMEAYYR	0.712	C378 C390 C378 C390 ,C378 C390	CPNE8
LLKFPEIVAPLLTSIDAISELC*ER	0.711	C223 C275	MVK
AINC*PEDIVFPALDILR	0.710	C605	PLAA
GNSPPSSGEAC*REEK	0.710	C194 C179 ,C194	NAA10
LGTTAGQMC*SGLPGLSSVDINNFGDSINES EGIPLKR	0.709	C475 C475	MKI67
AIANEC*QANFISIK	0.708	C535	VCP
LVMEYLAICDEC*YITEM+EMLLNEK	0.708	C525,M530 C525,M530	GARS
NTYVC*SER	0.708	C510 C510 C431 C533 C510 C533 C431 C494 C510 C494 C533 C517	MARK3
ADTSLNNC*EGAAGSTSEK	0.707	C128 C76	ZFAND5
NLDKEYLPIGGLAEFC*K	0.707	C106	GOT2
LCQPEGIHC*DGTEAENTATLTLLLEQQGLIR	0.707	C63 C63 ,C63	PCK2
C*DENILWLDYK	0.705	C152	PKM
SELLLAEEPFGLEGEDGDTAKIC*QADIVE AVDIASAAK	0.704	C107 C107 C172 C107 ,C172	WDR46
ELQDSFHLRPSYSNC*GSLPNTILPEDSST SLFK	0.703	C541	CRTC3
ATEDC*ATGATGPELEAK	0.703	C231 C180	PALM3
VM+QPQILEVNFNPD*ER	0.702	M599,C612	TTLL12
STYSPLPDDYNC*NVELALTS DGR	0.700	C45 C45 C45 C45	MRPL42
HPAGQQLDEFQLAVDKVEAGLGSGPC*R	0.699	C794 C751 C815 C794 C751 C815	MMS19
SGDWVC*PNPSCGNMNFAR	0.699	C25 C269 C357 C360	TAF15
SDNVVEGNC*ADELLQNSHR	0.697	C131 C22 C99	GATC
LVIC*PDEGFYK	0.697	C65	UBE2M
C*VSVQTDPTDEIPTKK	0.697	C92 C92 C92 C92 ,C92 C92	SON
LITIEINPDC*AAITQR	0.695	C145 C95	COMT
NFVENFCAITGQSLNHVLC*NQSDLP EGAT VPALGLSNK	0.695	C552 C482 C461 C417 C487 C487 C417	ELP2
ETYPDDPC*FPSK	0.694	C444 C444 ,C444	SMCHD1
TMSVLSCIC*EAR	0.692	C1045 ,C1040 C1045	TP53BP1
GISC*MNTTLESPEFK	0.692	C242	PPA1
GMQELGVHPDQETYTDYVIP*FDSVNSAR	0.691	C484	LRPPRC

DAHWESEADDC*HAL	0.690	C347 C297	NUDT9
GILLYGPPGC*GK	0.690	C259 C264 ,C264 C259 C170	NSF
SSSLQVADQDLLPSFHPYQPLEC*IVEETEG K	0.687	C777 C777 C796 C777	ANKHD1
ESSYAC*YYDEKR	0.687	C219 C219 C219	LG MN
EWNLPNAPAC*MER	0.685	C26	WDR77
HVDLLEVAQETDGFSGSDLKEMC*R	0.683	C303	ATAD1
KPSYAEIC*QR	0.683	C255 C654	LARP4B
KQEEQMETEHQTTCC*NLQ	0.683	C330	PSIP1
LDIVAGC*R	0.681	C56 C180	BLOC1S3
SFC*PGGTDSVSPPPSVITQENLGR	0.679	C314	UBE2O
ALEYSNGIFDC*QSPTSPFMGSLR	0.676	C35 C35 C35 C35 C35 C48 C35 C35 ,C35 C35 C35	PPFIBP1
FYITGFC*AR	0.673	C124 C433	ZC3H4
EEVEPEEAEEGISEQPC*PADTEVVEDSLR	0.671	C326	TMX4
ADC*PTM+EAQTTLTNDIVISK	0.671	C263,M266	IK
C*SSQALAVPESTGALEK	0.670	C1306 C1343 C1301 C1301 C1293 C1301	RAPGEF6
KVNAEGSVDSVFSQVC*THLDALK	0.667	C187 C203	AK1
RPPEAC*EELR	0.666	C138 C138	DNAAF5
FHNVC*LLEAYNWVK	0.666	C133 C133	DUSP14
AAHLC*AEAALR	0.665	C149 C95	PA2G4
CSIVNYNGDVLYDEYILPPC*HIVDYR	0.662	C220	ISG20L2
SRENSVC*SDTSESSAAEFDDR	0.662	C344 C394 C167 C420 C402	URI1
LKTEGSDLC*DR	0.661	C545	RPN1
ADTQDEWTPGTAVLTLSPVLVPGC*PSK	0.659	C475 C525 C550 C469 C525 C476 C160 C494	MBD1
VRLGDVISIQPC*PDVK	0.659	C105	VCP
AQELC*PENFIHFNNK	0.658	C1051 C1051 ,C1051	DDX60
NQQAELC*K	0.655	C159 C152 C106 C152 C106 ,C159 C106 C152	PITX2
FDYYMPAIGC*R	0.654	C75 C75 C75	ADA
LC*PQLMPLMEEALR	0.653	C350 C350 C350 ,C350 C350	IPO4
ATPIEVL*ENFPEEMATYLR	0.652	C280 C277 C164	CSNK1G2,CS NK1G3
ETGANLAIC*QWGFDDANHLLLQNNLPAVR	0.650	C302 C264 C281	CCT5
DKSTNC*FGDNDPIDVCEIGSK	0.649	C176 C161	PPA2
FSPNSSNPIIVSC*GWDK	0.647	C168	RACK1
AATQC*EFSKQEFMDGMTELGCSIEK	0.647	C100 C115 ,C100 C115 C100	DCUN1D1
TEVM+ALVPPADC*R	0.643	M212,C220	GAMT
QLSQEVTPADLEC*GLEQGAGSVQR	0.643	C784	KIAA1671
VNLQMYYDSPLC*R	0.642	C462 C493 C533	FARSA
DYDVYSDNDIC*SQESEDNFAK	0.641	C82 C82	ZC3H8
VDPPFRPC*LQSEEDVSQFDTR	0.641	C348	RPS6KB2
ETTQNALQTPC*YTPYYVAPEVLGPEKYDK	0.640	C203 C203	MAPKAPK3
SSLSC*SLQEGLIPGSQFWDASK	0.640	C615	MSH6
TQGISESEQGSTDNESC*TNSELNSPLVR	0.640	C613	BIRC6
ELIC*YCLDTIAENQAK	0.638	C128 C128 C128	XRCC4
AHIEKDFIAFC*SSTPDNVSWR	0.638	C310 C331 C180 C294 C238 ,C310 C331 C294	CASP1

YNVYPTYDFAC*PIVDSIEGVTHALR	0.637	C381 ,C381 C381	EPRS
TC*NSPQNSTDSVSDIVPDSPPFGALGSDTR	0.633	C257 C213 C209	USP10
FSGISGC*SDGVSQEGSASSTK	0.632	C1600 C1576	RICTOR
LCGYPLC*QK	0.632	C105 C105	RPAP2
IDNFSVVSYLLNPSYLDLC*FPR	0.630	C230	PPP1R15B
C*ELSSSVQTDINLPYLTMDSSGPK	0.630	C317,M334 ,C317,M334 C317,M334	HSPA9
VGTEPC*CDWVGDEGAGHFVK	0.628	C170 ,C157 C170	PGD
AEGSDVANAVLDGADC*IMLSGETAK	0.628	C284 C358 C343 ,C358 ,C358 C358	PKM
VLGAHILGPGAGEMVNEAALALEYGASC*E DIAR	0.627	C429 C477 C454 C378 C429 C477 C454 C378 ,C429 C477 C454 C378	DLD
AVQEVC*PPPAGDKLDSFAIPESLK	0.626	C464 C464 C359 C464 ,C464 C359	DDX31
YEVCDIPQCSEVEC*MTCNGESYR	0.624	C206 C211	HGF
VGVDYEGGGC*R	0.624	C680 C727	PLOD1
NQCC*PICNMTFSSPVVAQSHYLGK	0.622	C136 C136 C104 C161	ZNF346
IYGGSVTGATC*K	0.622	C218 C255 ,C218 C255 C218 C255	TPI1
FVQC*PDGELQK	0.620	C182 C182 C227 ,C182 C227	RUVBL2
YPLNC*ADPTSER	0.619	C104 C104	PTPN11
LLM+EQESSAC*SR	0.618	M132,C139 M146,C153	PEX11B
QFLDFGSVNAC*EK	0.618	C71 C71 ,C13 C71 C71	PDK1
C*NGGAINCTNVQISDSPFR	0.617	C298 C283	PPA2
TISEDIEVLSTC*PSEALIPDDFK	0.616	C523 C523	SMCR8
AFTELFQVACAKPPLGLC*DYPSSR	0.616	C572	TTLL12
AGHC*AVAINTR	0.615	C326 C326 C326 C326	HCFC1
HLVGVC*YTEDEAK	0.615	C139	CYC1
SPGVVISDDEPGYDLDFC*IPNHYAEDLER	0.615	C23 ,C23 C23	HPRT1
MAALEC*EDPER	0.613	C500 C500 C463 C463 C352 C463	LENG8
SPAC*DPTVGVDFFSR	0.613	C41	RAB39A
APVAGTC*YQAEWDDYVPK	0.610	C168	PEBP1
TIWDGEETVYC*FK	0.607	C135 C221 C207 C229	SIX5,SIX4
SVLPTAIPAVLPAASPC*SSPK	0.606	C29 C29	PRKD3
QLEDILSTYC*VDNNQGGPGEDGAQGEPAE PEDAEK	0.606	C87	TXLNA
GDIYFC*TGYPMPKPYGR	0.606	C168	HEBP1
ASPSYALDKTPHC*SGANDFEAPFEQR	0.603	C164	HOXC10
KNPFGLVPLENSQGQLIYESAITC*EYLDE AYPGK	0.603	C62 C62 C90 C62 C90	GSTO1
NEDAC*PVGTVSAAPWGSSSILPISWAYIK	0.602	C795	GLDC
ASEQIYGTPSSSPYEC*LR	0.602	C881 C754 C888 C871 C868 C851 C754	DCTN1
DTAQQGVVNFYDDFIQC*VMSV	0.601	C179 C194 C154 C151	SRI
TAGQTGMC*GGVR	0.598	C113 C113	PRPF38B
LAENAC*TLADLREGQVVK	0.598	C316	POLR3D
ADIIHAC*DIVEDAAIAYGNNIQMTLPK	0.597	C362	FARSB
TNPGPVGETLLC*QLSSYAK	0.596	C300 C117 ,C117 C300 C110 C117 C54 C117 C45	KANSL2

VPAGVQELTHC*PDTPLPPSDSR	0.596	C2579	ANKHD1
LLVTSGLPGC*YLQVWQVAEDSDVIK	0.595	C106 C106	WDR73
SDSDLLTC*SPTEDATMGSR	0.594	C633	ANKS1A
INPIC*NDHYR	0.594	C70 C70	PBK
VQLLGSQESEC*PDSVQR	0.593	C619	PPP1R15B
SDNFVIC*SVTGAGPR	0.592	C1742	BOD1L1
DYTC*STSESLSPVK	0.591	C203 C79 C202	MPZL1
ELQEGTYVMVAGPSFETVAEC*R	0.591	C206	PNP
LLYEALVDC*K	0.589	C175	EIF3M
GWSGNSWGGISLGPDPGPC*GETYEDFDT R	0.589	C211 C211	MRPS5
DFQDYMEPEEGC*QGSPQRR	0.588	C191 C152	DYNC1LI2
VFSANSTAAC*TELAKE	0.588	C19 C48	PRPSAP1
FGYVQHYGLGSAC*DNVER	0.586	C211 C262 ,C211 C267 C262 C221	MTG1
ISPAWQVC*AEALAQR	0.583	C38	XPOT
C*GLQLFLGNASR	0.582	C134	ATXN10
GPSVGEVWPVNGPPEGAVTC*ETPTPR	0.582	C185 C185 C185 ,C185 ,C185 C185	RPAP1
C*FVSLGFCK	0.579	C339	XRCC5
LC*YVALDFENEMATAASSSSLEK	0.579	C219 C219 C219 C219 ,C219 ,C219 C219	ACTA2,ACTA1 ,ACTC1
TSPC*QDSSVNYGITK	0.578	C71	ALX1
VPAPVTMDSFFFGC*ELSGHTR	0.578	C41	NPM3
SSFQVLNNPQAQQGC*SCGSSFSIK	0.578	C144	ISCA2
NEDLWDSMASIC*PTDGVK	0.577	C486 C486	ERAP1
PGYGDAINC*R	0.574	C121 C146 C111	44441
RVIGVELC*PEAVEDAR	0.574	C463 C463 C481 ,C463 C481	TRMT2A
EC*INFASFNFLGLLDNPR	0.573	C100	SPTLC1
LMSSNSTDLPLNIEC*FMNDKDVSGK	0.570	C290 C249 ,C290 C290 ,C292 C249 C290 C290 ,C249 C290 C290	HSPH1
LKC*GAAEAEIMNLPER	0.568	C219 C50	CXXC4
C*GVLYEDSLSSQVR	0.563	C34 C96 C34 C49 C96 C34 C96	ITM2C
LASGC*DGSEIPDEVK	0.560	C525 C506	STK39
GQIAFDFFIQGC*IVLQR	0.559	C68 C87 C85 C153 C155 C68 C87 C85 C153 C155 ,C68 C87 C85 C153 C155	PDCD6
LAAAQGGAPLEPTQDGSAIETC*PK	0.553	C423 C474	EFL1
FVKDFQDYMEPEEGC*QGSPQR	0.551	C191 C152	DYNC1LI2
ATELVQC*LATYSYR	0.551	C55 C55 C55 ,C55 C55	CHRAC1
LGDSELAMVC*SQR	0.550	C211 C246 C246 C246	WDR91
ISSINSISALC*EATGADVEEVATAIGM+DQR	0.549	C144,M160 C241,M257 C174,M190	UGDH
LTAEFEEAQTASAC*R	0.547	C1320 C1323 C847 C890 C664 C1323	RRBP1
IVDDC*GGAFTMGITGGIFQAIK	0.544	C17	TIMM17A
HTSPVFSPANPESSMEDC*LAHLGEK	0.542	C103 C103 C127 C127 C103	BCL2L13
VGTC*LYASPEQLEGSEYDAK	0.540	C494 C493	EIF2AK1
DLIM+DNC*EELIPEYLNFR	0.538	M175,C178	HSP90AA4P

SGVAYIAAPSGSAADKVVIEAC*DELGIILAH TNLR	0.537	C575 C574	ATIC
SEALGVGDVKLPC*EMDAQGPK	0.537	C196 C187 ,C196	TES
AYHEQLTVAEITNAC*FEPANQMVKCD	0.534	C295 C365	TUBA1C
C*ATQLVWER	0.534	C269	SRR
YTSC*ETGFKDGDLFMSYR	0.532	C181 C152	NT5C2
SDSEGVNC*LAYDEAIMAQQDR	0.532	C23 C23	OTUB1
LQESC*WDLR	0.522	C1188 C1188	TCF20
ELEVDSQC*VR	0.522	C688 C736 C619	RSBN1
SLSSLELFLSC*AQK	0.518	C19 C394 C424 C19 C95 C19 C388	CCDC91
YEVCDIPQC*SEVECMTCNAGESYR	0.516	C201 C206	HGF
LGSVSLDLC*DGDTGEP	0.515	C273 C273	METTL13
DC*EESNMDIFDADSAK	0.512	C217 C170 C235 C141 C235	NFAT5
GFDPLLVEEALEMHC*SEEK	0.510	C452 C516 C391	UBAP1
NIELIC*QENEGENDPVLQR	0.509	C228	MAPRE1
M+TGGGFGGC*TVTLLEASAAPHAMR	0.507	M373,C381 M343,C351	GALK1
AGDWQC*PNPGCGNQFAWR	0.506	C529 C523 ,C529 C452 C523 C488 C524 C468 C486 C451	EWSR1
NILSNVDDILAATAAAC*GVTPDFSK	0.504	C862	QSER1
EIAEDPVDILGQMAGDGC*R	0.499	C642 C459	KANSL2
TLGNVTYMSQVLIQC*AGSEEKNER	0.492	C312 C469 C312 C312 C490 C397 C440 C234 C312	ARHGEF7
VTELQQQLC*TSVNTIYDNAVQGLR	0.492	C277	LRRC59
VIDQHGC*EAIAR	0.492	C23 C47	RILPL1
ALC*DVGTAISCSR	0.491	C43 C43 C43 C43 C43 C43	VKORC1
LLSSSLTADC*SLR	0.489	C195 C158	NAA30
TYGGC*EGPDAMYVK	0.488	C11 C11 ,C11 C11 C11	TCEB1
NC*FASVFEK	0.488	C120	ARPC2
AVELLGDIVQNC*SLEDSQIEK	0.481	C154	UQCRC1
MITPEYLQSV*VR	0.480	C270 C270 C270	ARMC9
QVEEQSAAANEEVLPFC*R	0.480	C235 C235 C235 C137	CEP170
TAVLDC*TAPGLHIAVR	0.476	C301 C301 C114 C468 ,C468	DALRD3
EHAEALLASC*YLPPGFLSAPGQR	0.466	C1125 C841 C1095	SREBF1
YADIC*PEPSPYSITGFNQILLER	0.463	C937 ,C937 C737	MYO19
AGC*ALSAESSR	0.460	C532 C1243 ,C1243	DOCK6
C*DTVVSEISTGQR	0.458	C74	RARS2
LSNNYYC*TR	0.455	C55	NDUFA7
ESLDTGSMGPGDC*R	0.449	C245	KHNYN
TSGSDDPGIC*SNTDSTQAQVLLGK	0.448	C637 C672 C637	EHBP1
NVEFEPTYEEFPSLESLLDYSC*MQR	0.446	C165 ,C165 C165	ATP6V0A2
TPAQEC*KPADFEVPETFLNR	0.441	C242 C242	NOP9
C*GVTSVPDIR	0.439	C301	ILKAP
GPGAGGAGSAVPGGAGPC*ATVSVFPGAR	0.434	C26 C26	CARM1
EC*ICEVEGQVPCPSLVPLPK	0.430	C139	MRPS25
SC*VPNSPMWYSTFPIDPGTLDTMLTR	0.424	C1467 C1175 C1410 C1499 C1158	ZMYM4

DETYC*IDNEALYDICFR	0.423	C183 C131 C201 C201 C201 C548 C201 C201 ,C183 C131 C201 C201 C201 C201 C548 C201	TUBB4A,TUBB 6,TUBB2B,TU BB,TUBB3,TU BB4B
TEC*YGYALGDATR	0.422	C77 C76	PPP5C
QVHQC*IER	0.422	C160 C123 C53	FAM136A
C*SSPAPGPGKEWEEYVQIR	0.420	C36	SETD3
HGSPTAPIC*LGSPFTDQGR	0.419	C116 C173 C542 C542 C542	PLEKHA7
CASC*PYLGMPAFKPGEK	0.416	C288 C275	CIAPIN1
HTEDREEGMDVEEGEMGDEEAPTTWITSGT LC*NAMR	0.412	C233	THOC1
VVEPYNATLSIHQLVENTDETYC*IDNEALYD IC*FR	0.405	C548,C558 C201,C211	TUBB3
ADAEC*YTAMK	0.402	C262 C262	ERLIN2
AFAWMMGDGVLYGALDC*GRPDSLLSEER	0.394	C299 C299 ,C299	VPS18
ECIC*EVEGQVPCPSLVPLPK	0.391	C141	MRPS25
SSQGSSSVSSDAPGNVLC*ALSQK	0.387	C378 C378	ZBTB21
LGYPVC*R	0.386	C205	PAFAH1B3
LLQYC*ETGVK	0.384	C783	ALDH1L2
QGAESDQAEPIC*SSGAEAPANSLPSK	0.383	C283	MAVS
QSRTC*STQVC*R	0.383	C3688,C3693 C3687,C3692	SSPO
EIVHIQIGQC*GNQIGAK	0.382	C12	TUBB1
GEQQYLQDANEC*WIQMMR	0.370	C168 C192 C203 C157	USP14
NLDC*PELISEFMK	0.370	C59	CBX5
EGTNVPLVAAGPC*DDEGIVTSTGAKEEDEE GEDVVTSTGR	0.365	C1849	BOD1L1
LRC*IPALDSLTPANEDQK	0.363	C447	HSPD1
AYSFC*GTVEYMAPEVVNR	0.355	C229 C207 C223 C232 C223 C131 ,C207 C223 C232 C223 C131 C229	RPS6KA1,RP S6KA3
FAEVEC*LAESHQHLK	0.350	C1827 C1820 C1852 C1855	CHD4
MGMGAVFFNKGENC*IAAGR	0.336	C728	ALDH1L2
KC*AADLGLNK	0.319	C84	HINT1
FEISC*NLSLDAMEEFLNR	0.315	C647 C647 ,C647	LOC10272415 9,PWP2
MNIPTVGIVDTNCNPC*LITYVPGNDDSP LA VHL YCR	0.314	C244 C230	MRPS2
GLSC*LVS YQDDPLTK	0.312	C284 C280	STAT2
NNENTGFDALSHEC*TAKPLFPR	0.303	C939 C906 C684 C731	XIRP2
LPSTDQQESC*SSTPGLEEPLFK	0.300	C1223 C1257 C1182 C1262	GOLGB1
ECENC*DCLQGFQLTHSLGGGTGSGMGTL LISK	0.286	C474 C127	TUBB3
SESC*DC*LQGFQLTHSLGGGTGSGMGTL LISK	0.265	C127,C129 ,C127,C129 C127,C129	TUBB2A,TUBB 2B
C*QQLSATILTDHQYLER	0.242	C198 C329 C329 C329 C329	POT1
LGAC*LAFLPEAFDFIAR	0.227	C65 C97 C80 C44 ,C80 C65 C97 C80 C44	NIT1
QESSENSC*NKEEEPVFTR	0.227	C622 C620 C622 C620 C377 C620 C620 C620 ,C622 C620 C622 C620 C620 C620 C620	PRRC2C
IRNAFAC*FDEEATGTIQEDYLR	0.215	C114 C108 C109	MYL12A,MYL1 2B

STC*LLQPTSSALVNATEWPPFVVTLDEVELI HFER	0.212	C815	SUPT16H
TPAPSCVSGIC*SDCHWQAR	0.202	C72 C72 C72	FAM174B
ECENCDC*LQGFQLTHSLGGGTGSGMGTL ISK	0.196	C476 C129	TUBB3
AC*VCQTLGISPEEK	0.193	C59	SMCHD1
LSVAC*FYGGTPYGGQFER	0.192	C223 C291	DDX21
EIADGLC*LEVEGK	0.190	C28 C28 C28 ,C28 C16 C28 C27 C28	TPT1
AVIFEDC*AVPVANR	0.187	C174 C251 ,C251	ACAD8
LC*PGQTLPLFFTA	0.173	C189 C189 C189 C75 C53 C75 C5 C75 C75 C59	SERGEF
KQC*QQLQTAIAEAQR	0.163	C383	KRT79
EC*ENCDC*LQGFQLTHSLGGGTGSGMGTL ISK	0.157	C471 C124	TUBB3
KSC*EMGLQLR	0.149	C97	EXOSC4
KEPTENISGSC*K	0.149	C815 C815 C815 C815 C815 C815 C735 C735	KMT2E
M+AC*GLVASNLNLKPGELR	0.146	M1,C3	LGALS1
YLFYPQFLCEPDKC*D	0.143	C164	PLA2G10
GEGPCAC*PDC*GR	0.143	C190,C193	ZNF467
TC*GFDFTGAVEDISK	0.111	C187	GOT2
LEGDLTGPSVGVVDPVELEC*PDAK	0.101	C1900	AHNAK
C*VTSYTVESIFGTEPEPPLGPSSAMSK	0.101	C876 C876 C877 C878 C878 C874 C878 C874 C877	PHRF1
KEC*ENCDC*LQGFQLTHSLGGGTGSGMGTL LISK	0.097	C471 C124	TUBB3
C*NFTGDGK	0.088	C70 C87 C183 C183 C18 C183 C87	ARPIN,C15orf 38
IC*DQISDAVLDAHLQQDPDAK	0.082	C34	MAT2A
CAIIPSDM+LHISTNC*R	0.079	M238,C245 M246,C253 ,M238,C245 M207,C214 M207,C214 M213,C220 M183,C190 M246,C253 M207,C214 M238,C245 M207,C214 M207,C214 M213,C220 M183,C190 M246,C253 M207,C214	BANP
LPSALTATAC*K	0.064	C199 C633	LARP4B
NCLEESEGCYC*R	0.038	C367 C367	RIOK2
NPLC*PLGQTVQSELFR	0.013	C115	TRAPPC1